



RAILROAD COMMISSION OF TEXAS

Form W-2

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Status: Submitted
Date: 12/04/2014
Tracking No.: 121602

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION	
Operator Name: ENERGEN RESOURCES CORPORATION	Operator No.: 252002
Operator Address: 3510 N A ST BLDGS A AND B MIDLAND, TX 79705-0000	

WELL INFORMATION	
API No.: 42-135-42937	County: ECTOR
Well No.: 1125	RRC District No.: 08
Lease Name: EAST PENWELL /SAN ANDRES/ UNIT	Field Name: PENWELL
RRC Lease No.: 21079	Field No.: 70537001
Location: Section: 1, Block: 35, Survey: UL, Abstract: U1	
Latitude: 31.71985	Longitude: -102.58631
This well is located 1.2 miles in a SOUTH direction from PENWELL, which is the nearest town in the county.	

FILING INFORMATION		
Purpose of filing: Initial Potential		
Type of completion: New Well		
Well Type: Producing	Completion or Recompletion Date:	08/02/2014
Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen Rule 37 Exception	02/28/2014	779267
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION		
Spud date: 06/27/2014	Date of first production after rig released:	08/02/2014
Date plug back, deepening, recompletion, or drilling operation commenced: 06/27/2014	Date plug back, deepening, recompletion, or drilling operation ended:	07/03/2014
Number of producing wells on this lease in this field (reservoir) including this well: 162	Distance to nearest well in lease & reservoir (ft.):	461.0
Total number of acres in lease: 3909.00	Elevation (ft.):	2906 GR
Total depth TVD (ft.): 3994	Total depth MD (ft.):	
Plug back depth TVD (ft.): 3935	Plug back depth MD (ft.):	
Was directional survey made other than inclination (Form W-12)? No	Rotation time within surface casing (hours):	7.2
Recompletion or reclass? No	Is Cementing Affidavit (Form W-15) attached?	Yes
Type(s) of electric or other log(s) run: Neutron logs	Multiple completion?	No
Electric Log Other Description: GR		
Location of well, relative to nearest lease boundaries of lease on which this well is located:	7432.0 Feet from the	Off Lease: No
	3713.0 Feet from the	North Line and West Line of the
	EAST PENWELL SAN ANDRES UNIT Lease.	

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.	Field & Reservoir	Gas ID or Oil Lease No.	Well No.	Prior Service Type
PACKET:	N/A			

W2: N/A

FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:

GAU Groundwater Protection Determination
SWR 13 Exception

Depth (ft.): 800.0
Depth (ft.):

Date: 04/03/2013

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of test: 08/31/2014

Production method: Flowing

Number of hours tested: 24

Choke size: 18/64

Was swab used during this test? No

Oil produced prior to test: 310.00

PRODUCTION DURING TEST PERIOD:

Oil (BBLs): 50.00

Gas (MCF): 680

Gas - Oil Ratio: 13600

Flowing Tubing Pressure: 180.00

Water (BBLs): 128

CALCULATED 24-HOUR RATE

Oil (BBLs): 50.0

Gas (MCF): 680

Oil Gravity - API - 60.: 34.1

Casing Pressure: 170.00

Water (BBLs): 128

CASING RECORD

Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Stage Shoe Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	8 5/8	12 1/4	840		C	600	804.0	0	Circulated to Surface
2	Conventional Production	5 1/2	7 7/8	3994	2970	POZ/C, C	900	1627.0	296	Cement Evaluation Log
3	Conventional Production	5 1/2	7 7/8	3994		C	300	399.0	2970	Circulated to Surface

LINER RECORD

Row	Liner Size (in.)	Hole Size (in.)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
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N/A

TUBING RECORD

Row	Size (in.)	Depth (ft.)	Packer Depth (ft.)/Type
1	2 7/8	3506	3480 /

PRODUCING/INJECTION/DISPOSAL INTERVAL

Row	Open hole?	From (ft.)	To (ft.)
1	No	L 3518	3618.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.

Was hydraulic fracturing treatment performed? No

Is well equipped with a downhole actuation sleeve? No

If yes, actuation pressure (PSIG):

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment:

Actual maximum pressure (PSIG) during hydraulic fracturing:

Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)? No

Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
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FORMATION RECORD

<u>Formations</u>	<u>Encountered</u>	<u>Depth TVD (ft.)</u>	<u>Depth MD (ft.)</u>	<u>Is formation isolated?</u>	<u>Remarks</u>
SANTA ROSA BASE	No			No	NULL
YATES	No			No	NULL
SEVEN RIVERS	No			No	NULL
HOLT	No			No	NULL
CLEARFORK	No			No	NULL
GLORIETA	No			No	NULL
TUBB	No			No	NULL
WICHITA ALBANY	No			No	NULL
FUSSELMAN	No			No	NULL
MCKEE	No			No	NULL
SILURIAN	No			No	NULL
WOLFCAMP	No			No	NULL
STRAWN	No			No	NULL
PENNSYLVANIAN	No			No	NULL
CANYON	No			No	NULL
DEVONIAN	No			No	NULL
CONNELL	No			No	NULL
ELLENBURGER	No			No	NULL
QUEEN	Yes	2940.0		No	ENCOUNTERED
GRAYBURG	Yes	3108.0		No	ENCOUNTERED
SAN ANDRES - HIGH FLOWS, H2S, CORROSIVE	Yes	3454.0		No	ENCOUNTERED

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)? No
 Is the completion being downhole commingled (SWR 10)? No

REMARKS

LOG MAILED TO AUSTIN.

RRC REMARKS

PUBLIC COMMENTS:

CASING RECORD :

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed Name: Brenda Rathjen

Title: Regulatory Analyst

Telephone No.: (432) 688-3323

Date Certified: 11/23/2014

Cementor: Fill in shaded areas.
Operator: Fill in other items

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

1. Operator's Name (As shown on Form P-5, Organization Report) Energen Resources Corporation	2. RRC Operator No. 252002	3. RRC District No. 08	4. County of Well Site Ector
5. Field Name (Wildcat or exactly as shown on RRC records) Penwell	6. API No. 42-135-42937	7. Drilling Permit No. 779267	
8. Lease Name East Penwell San Andres Unit	9. Rule 37 Case No. -	10. Oil Lease/Gas ID No. 21079	11. Well No. 1125

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date	6/28/2014					
13. ●Drilling hole size	12 1/4					
●Est. % wash or hole enlargement	-					
14. Size of casing (in. O.D.)	8 5/8					
15. Top of liner (ft.)	-					
16. Setting depth (ft.)	840'					
17. Number of centralizers used	6					
18. Hrs. waiting on cement before drill-out	19					
1st Slurry	19. API cement used: No. of sacks ▶	600				
	Class ▶	Class C				
	Additives ▶	Remarks				
2nd Slurry	No. of sacks ▶					
	Class ▶					
	Additives ▶					
3rd Slurry	No. of sacks ▶					
	Class ▶					
	Additives ▶					
1st	20. Slurry pumped: Volume (cu. ft.) ▶	804				
	Height (ft.) ▶	1948				
2nd	Volume (cu. ft.) ▶					
	Height (ft.) ▶					
3rd	Volume (cu. ft.) ▶					
	Height (ft.) ▶					
Total	Volume (cu. ft.) ▶	804				
	Height (ft.) ▶	1948				
21. Was cement circulated to ground surface (or bottom of collar) outside casing?	Yes					

2nd 0
Circulated 50 BBLs/ 210sks
CR4L-00041

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lb/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

<u>Josh Blosser, FE</u>	<u>Dawell Schlumberger</u>	
Name and title of cementer's representative	Cementing Company	Signature
<u>32 E. Industrial Loop</u>	<u>Midland, Texas 79701</u>	<u>(432) 683-1887</u>
Address	City, State, Zip Code	Tel. Area Code Number
		<u>28 Jun 14</u>
		Date mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

<u>Brenda F Rothjen</u>	<u>Regulatory Analyst</u>	
Typed or printed name of operator's representative	Title	Signature
<u>3300 N. 'A' St. Bldg 48te 100 Midland Tx 79705</u>	<u>432-688-3323</u>	<u>07/15/2014</u>
Address	City, State, Zip Code	Tel.: Area Code Number
		Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's State Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

- A. What to file.** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:
- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
 - Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
 - Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- B. Where to file.** The appropriate Commission District Office for the county in which the well is located.
- C. Surface casing.** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.
- D. Centralizers.** Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.
- E. Exceptions and alternative casing programs.** The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.
- F. Intermediate and production casing.** For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).
- G. Plugging and abandoning.** Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Cementor: Fill in shaded areas
 Operator: Fill in other items

RAILROAD COMMISSION OF TEXAS
 Oil and Gas Division

1. Operator's Name (As shown on Form P-5, Organization Report) Energen Resources Corporation	2. RRC Operator No. 252002	3. RRC District No. 08	4. County of Well Site ECTOR
5. Field Name (Wildcat or exactly as shown on RRC records) Penwell		6. API No. 42-135-42937	7. Drilling Permit No. 779267
8. Lease Name East Penwell San Andres Unit	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 21079	11. Well No. 1125

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS		
			Single String	Multiple Parallel Strings	Shoe	Tool	
12. Cementing Date:					7/3/2014	7/3/2014	
13. ●Drilling hole size					7 7/8	7 7/8	
●Est. % wash or hole enlargement					-	-	
14. Size of casing (in. O.D.)					5 1/2	5 1/2	
15. Top of liner (ft.)					-	-	
16. Setting depth (ft.)					3994	2970	
17. Number of centralizers used					25	25	
18. Hrs. waiting on cement before drill-out					-	-	
1st Slurry	19. API cement used: No. of sacks ▶				300	500	
	Class ▶				C	35:65 PozzC	
	Additives ▶				Remarks	Remarks	
2nd Slurry	No. of sacks ▶					100	
	Class ▶					C	
	Additives ▶					Remarks	
3rd Slurry	No. of sacks ▶					300	
	Class ▶					C	
	Additives ▶					Remarks	
1st	20. Slurry pumped: Volume (cu. ft.) ▶				399	1095	
	Height (ft.) ▶				2303	6320	
2nd	Volume (cu. ft.) ▶					133	
	Height (ft.) ▶					768	
3rd	Volume (cu. ft.) ▶					399	
	Height (ft.) ▶					2304	
Total	Volume (cu. ft.) ▶				399	1627	
	Height (ft.) ▶				2303	9392	
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?					NO	NO	
1st	1.5%D174+.5%D167+.1%D13+.125ppsD130+3ppsD42+.4%D65					TOC by CBL = 296	
2nd	.125ppsD130+3ppsD42+.4%D46+.5%D112+.5%D79+4%D20+56%D44+.15%D65+.02%D208+2%S001						
3rd	1.5%D174+.5%D167+.1%D13+.125ppsD130+3ppsD42+.4%D65						
4th	No additives just Neat C. Note: This was pumped down the backside (300 sx Neat C @ 14.8 ppg)						

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

<u>Daniel Weller, Service Manager</u> Name and title of cementer's representative	<u>Dowell Schlumberger</u> Cementing Company	 Signature
<u>32 E. Industrial Loop</u> Address	<u>Midland, Texas 79701</u> City, State, Zip Code	<u>(432) 683-1887</u> Tel. Area Code Number
		<u>7/3/2014</u> Date: mo. day yr.

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<u>Brenda F. Rathjen</u> Typed or printed name of operator's representative	<u>Regulatory Analyst</u> Title	 Signature
<u>3300 N. 'A' St. Bldg 4 Ste. 100</u> Address	<u>Midland TX 79705</u> City, State, Zip Code	<u>432-688-3323</u> Tel.: Area Code Number
		<u>07/07/2014</u> Date: mo. day yr.

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- F. **Intermediate and production casing.** For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).
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RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form W-12
(1-1-71)
FOD1296

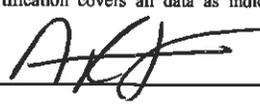
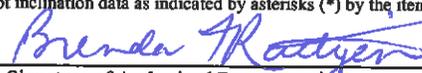
42-135-42937

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report)		6. RRC District 08
1. FIELD NAME (as per RRC Records or Wildcat) Penwell		7. RRC Lease Number. (Oil completions only) 21079
2. LEASE NAME East Penwell San Andres Unit		8. Well Number 1125
3. OPERATOR Energen Resources Corporation		9. RRC Identification Number (Gas completions only)
4. ADDRESS 3300 N. A St. Bldg 4 Ste. 100 Midland, TX 79705		10. County Ector
5. LOCATION (Section, Block, and Survey) Sec. 1, B1K 35, Ab-11, U1		

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle x100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
256	2.56	0.25	0.44	1.12	1.12
519	2.63	0.00	0.00	0.00	1.12
826	3.07	0.50	0.88	2.69	3.81
984	1.58	0.80	1.40	2.21	6.02
1331	3.47	0.30	0.53	1.82	7.84
1586	2.55	0.50	0.88	2.23	10.07
1840	2.54	0.20	0.35	0.89	10.96
2340	5.00	0.20	0.35	1.75	12.71
2550	2.10	0.10	0.18	0.37	13.08
2909	3.59	0.30	0.53	1.88	14.96
3090	1.81	0.10	0.18	0.32	15.28
3499	4.09	0.20	0.35	1.43	16.71
3994	4.95	0.20	0.35	1.73	18.44

17. Is any information shown on the reverse side of this form? yes no
18. Accumulative total displacement of well bore at total depth of 3994 feet = 18.44 feet.
- *19. Inclination measurements were made in - Tubing Casing Open hole Drill Pipe
20. Distance from surface location of well to the nearest lease line..... 3713 feet.
21. Minimum distance to lease line as prescribed by field rules..... 330 feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? NO
- (If the answer to the above question is "yes," attach written explanation of the circumstances.)

<p>INCLINATION DATA CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.</p> <p style="text-align: center;"></p> <p>Signature of Authorized Representative Archie Brown - General Manager Name of Person and Title (type or print) Capstar Drilling, Inc. Name of Company Telephone: 432/366-0161 Area Code</p>	<p>OPERATOR CERTIFICATION</p> <p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.</p> <p style="text-align: center;"></p> <p>Signature of Authorized Representative Brenda F. Rathjen Regulatory Analyst Name of Person and Title (type or print) Energen Resources Corporation Operator Telephone: 432-688-3323 Area Code</p>
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Railroad Commission Use Only:
Approved By: _____ Title: _____ Date: _____
* Designates items certified by company that conducted the inclination surveys.

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date April 3, 2013

GAU File No.: SC- 13046

API Number 13539546

Attention: LISA BEAVER

RRC Lease No. 021079

SC_252002_13539546_021079_13046.pdf

ENERGEN RESOURCES CORP
3300 N A ST
BLDG 4 STE 100
MIDLAND TX 79705

--Measured--

1295 ft FEL

1200 ft FSL

MRL:SECTION

P-5# 252002

Digital Map Location:

X-coord/Long

Y-coord/Lat

Datum

Zone

County ECTOR

Lease & Well No. EAST PENWELL SAN ANDRES UNIT #1223W&ALL

Purpose

Location SUR-UL,BLK-35,SEC-1,--[TD=3999]

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Texas Railroad Commission recommends:

The interval from land surface to the base of the SANTA ROSA, which is estimated to occur at a depth between 700 and 800 feet, must be protected.

This recommendation is adequate for wells drilled in this section 1.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

Sincerely,


Digitally signed by Jack Oswalt
DN: c=US, st=TEXAS, l=Austin, o=Railroad
Commission of Texas, cn=Jack Oswalt,
email=jack.oswalt@rrc.state.tx.us
Date: 2013.04.03 11:42:40 -05'00'

Jack M. Oswalt, P.G.

GEOLOGIST SEAL



Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by Jack M. Oswalt on 4/3/2013
Note: Alteration of this electronic document will invalidate the digital signature.

**RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION
CERTIFICATE OF COMPLIANCE STATEWIDE RULE 36**

FORM H-9
12/12/77

FILE WITH
DISTRICT OFFICE
IN TRIPLICATE

1. Operator Energen Resources Corporation		2. Operator Number (See Instruction 13) 252002		3. RRC Dist. 8	
4. Street or P. O. Box No. 3300 N A St Bldg. 4 Ste 100		5. City Midland		6. State Tx	7. Zip Code 79705
8. Name of Lease, Facility or Operation East Penwell San Andres Unit			9. Field or Area Name Penwell		10. County Ector
11. General Operation Type - Circle One: <input checked="" type="radio"/> A-Oil Field Production <input type="radio"/> B-Gas Field Production <input type="radio"/> C-Pipeline or Gathering Sys. <input type="radio"/> D-Gasoline Plant <input type="radio"/> E-Drilling or Workover <input type="radio"/> F-Sweetening Unit <input type="radio"/> G-Combination (explain) <input type="radio"/> H-Other (explain)			Other Explanation Amended H-9		
12. RRC ID# of Operation(s) to be Covered by This Certificate 21079		Type ID Code (See Instruction 12) 1	Indicate if Filing for Storage Facility Only YES NO <input type="checkbox"/> <input checked="" type="checkbox"/>	13. Hydrogen Sulfide Concentration 20000 PPM	14. Maximum Escape Volume 1000 MCF/Day
				15. 100 PPM Radius of Exposure (ROE) 657 Ft.	16. 500 PPM Radius of Exposure (ROE) 301 Ft.
				17. Operation is Existing <input checked="" type="checkbox"/> New <input type="checkbox"/>	18. Modification Resulting in Certificate Change Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
				19. Workover or Drilling Well with 100 PPM ROE Greater than 3000' feet on Rule 36 Certified Well/Lease Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
				20. Previous Certificate Number if Available (For Amended Certificates) 41237 047178	
				21. The 100 PPM ROE includes any part of a public area except a public road Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
				22. The 500 PPM ROE includes any part of a public road Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
				23. Injection of fluid containing Hydrogen Sulfide (See Instruction 14) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
				24. Date (or Depth) of Compliance with all applicable provisions of Rule 36 01/22/08 / 19__ Mo Day Year	Depth of Compliance for Drilling Operation Ft. from Surface
25. Contingency Plan Location of Plan (See Instruction 15) Energen Resources, 236 S. FM 1601, Penwell, Texas 79776			Has been prepared Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
26. Location of data used to prepare this certificate (See Instruction 15) Energen Resources, 3300 North A St. Bldg. 4, Ste. 100 Midland, Texas 79705					
CERTIFICATE					
I declare under penalties prescribed in Section 91.143, Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision, and that I am qualified to make this certification by virtue of my training and experience, and by my analysis of the operation being certified, or by the analysis of qualified person working under my supervision, and that the data and facts stated therein are true, correct, and complete, to the best of my knowledge.					
<i>[Signature]</i> Representative of Company		Sr. HSE Specialist Title		(432) 686-3599 Phone No.	01/22/08 Date

RAILROAD COMMISSION USE ONLY

This operation and the equipment used therein is approved on the basis of the above certification and is subject to further Commission audit for compliance with the required provisions of Statewide Rule 36. This approval may be cancelled if investigation determines that the operation does not comply with the provisions of Statewide Rule 36.

APPROVED BY: *Mark D. Spawars*

DATE: **JAN 25 2009**

REMARKS:

CERTIFICATION NUMBER: **047178**
Amended



**RECEIVED
RRC OF TEXAS
JAN 23 2008
O&G
MIDLAND**

Tracking No.: 121602

This facsimile L-1 was generated electronically from data submitted to the RRC.

Instructions

When to File Form L-1:

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

When is Form L-1 NOT required:

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to File Form L-1:

- with the appropriate Commission district office

Filling out Form L-1:

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

Type of log required:

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SECTION I. IDENTIFICATION

Operator Name: ENERGEN RESOURCES CORPORATION	District No. 08	Completion Date: 08/02/2014
Field Name PENWELL	Drilling Permit No. 779267	
Lease Name EAST PENWELL /SAN ANDRES/ UNIT	Lease/ID No. 21079	Well No. 1125
County ECTOR	API No. 42- 135-42937	

SECTION II. LOG STATUS (Complete either A or B)

A. BASIC ELECTRIC LOG NOT RUN

B. BASIC ELECTRIC LOG RUN. (Select one)

- 1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
- 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
- 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).

4. Log attached to (select one):

(a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: _____

Check here if attached log is being submitted after being held confidential.

(b) Form P-7, Application for Discovery Allowable and New Field Designation.

(c) Form W-4, Application for Multiple Completion:

Lease or ID No(s). _____

Well No(s). _____

<u>Brenda Rathjen</u> Signature	<u>Regulatory Analyst</u> Title
<u>ENERGEN RESOURCES CORPORATION</u> Name (print)	<u>(432) 688-3323</u> <u>11/23/2014</u> Phone Date

-FOR RAILROAD COMMISSION USE ONLY-

Tracking # 121602

Schlumberger

Company: Energen Resources Corporation

Well: East Penwell San Andres Unit 1125

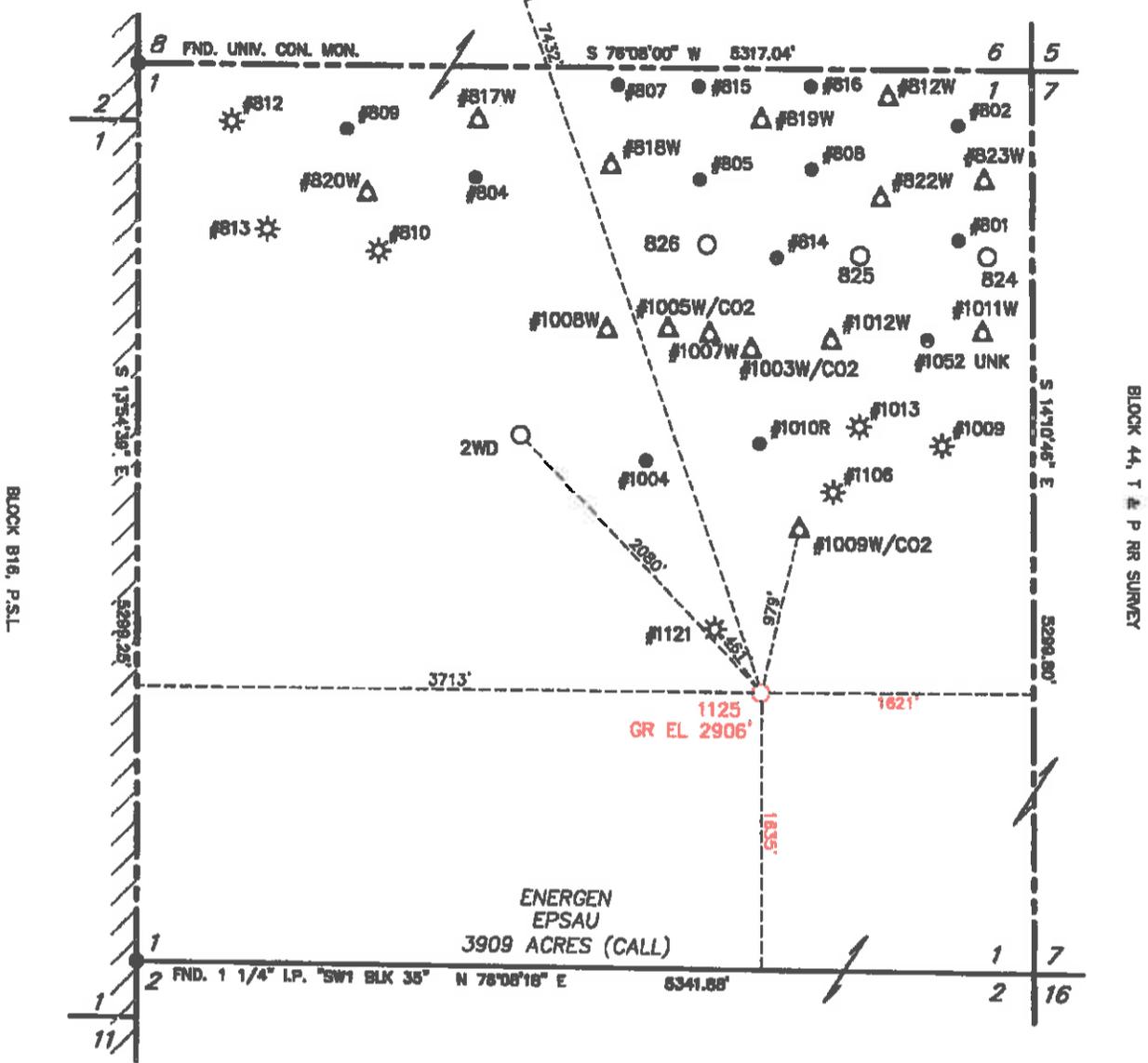
Field: Penwell

County: Ector State: Texas

County: Ector Field: Penwell Location: 1635' FSL & 1621' FEL Well: East Penwell San Andres Unit 1125 Company: Energen Resources Corporation	Compensated Neutron Log			
	CCL			
	Location:		Elev.:	
	1635' FSL & 1621' FEL Sec 1; Blk: 35; Abs: U1 UL Survey		K.B. 2918.00 ft G.L. 2907.00 ft D.F. 2917.00 ft	
Permanent Datum:		Ground Level	Elev.: 2907.00 f	
Log Measured From:		Kelly Bushing	11.00 ft above Perm.Datum	
Drilling Measured From:		Kelly Bushing		
API Serial No.		Section:	Block:	Abstract:
42-135-42937		1	35	U1
Logging Date		08-Jul-2014		
Run Number		1		
Depth Driller		3935.00 ft		
Schlumberger Depth		3933.00 ft		
Bottom Log Interval		3933.00 ft		
Top Log Interval		200.00 ft		
Casing Fluid Type		Fresh Water		
Salinity				
Density		8.3 lbm/gal		
Fluid Level		8.00 ft		
BIT/CASING/TUBING STRING				
Bit Size		7.88 in		
From		0.00 ft		
To		3933.00 ft		
Casing/Tubing Size		5.5 in		
Weight		17 lbm/ft		
Grade		J55		
From		0.00 ft		
To		3933.00 ft		
Max Recorded Temperatures		91.5 degF		
Logger on Bottom		Time	08-Jul-2014 09:00:43	
Unit Number	Location:	2132	Midland	
Recorded By		Adriana Rodriguez		
Witnessed By		Walt Moorman		

A-U1
SECTION 1, BLOCK 35, UNIVERSITY LAND SURVEY

BLOCK 44, T & P RR SURVEY



NAD 27, TEXAS CENTRAL ZONE	
N=753831.8'; E=1299484.2'	LAT=31.7198585 N, LONG=102.5863167 W.
NAD 83, TEXAS CENTRAL ZONE	
N=10596407.3'; E=1595951.5'	LAT=31.7199877 N, LONG=102.5867406 W.
APPROXIMATELY 1.2 MILES S OF PENWELL, TEXAS	

- ☼ GAS WELL
- △ WATER INJECTION WELL
- OIL WELL
- LOCATED WELL
- DRY HOLE
- WATER WELL
- ⊗ SHUT IN WELL

NOTES:
 1. COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON LAMBERT CONICAL PROJECTION OF THE STATE PLANE COORDINATE SYSTEM NAD 83, CORRS 98, TEXAS CENTRAL ZONE WITH A CONVERGENCE ANGLE OF -1°10'01.6" AND DISTANCES ARE OF GRID VALUE WITH A CENTRAL COMBINED SCALE FACTOR OF 0.999981246. THE POSITIONAL TOLERANCE OF THIS SURVEY EXCEEDS THE REQUIREMENTS FOR A RURAL SURVEY.
 2. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND REVIEW OF THE ABSTRACT OF TITLE. THERE MAY BE EASEMENTS AND/OR COVENANTS AFFECTING THIS PROPERTY NOT SHOWN HEREON. LOCATION OF IMPROVEMENTS AND/OR EASEMENTS WERE BEYOND COMMISSIONED SCOPE OF THIS PROJECT AND HAVE BEEN SPECIFICALLY OMITTED. VESTING DOCUMENTS NOT FURNISHED FOR THIS SURVEY.
 3. SEE DOCUMENTS AND ELECTRONIC DATA FILED IN THE OFFICE OF WPG INC FOR COMPLETE RECONSTRUCTION OF THESE SECTIONS OR BLOCKS.

I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS PLAT WAS DERIVED FROM ACTUAL FIELD NOTES OF ON-THE-GROUND SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OR ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY. THE INFORMATION PRESENTED HEREON IS FOR THE PRIVATE USE OF THE PARTY NAMED IN THE "REFERENCE PORTION" OF THE TITLE BLOCK AND DOES NOT CONSTITUTE A COMPLETE BOUNDARY SURVEY AS DEFINED BY THE "PROFESSIONAL LAND SURVEYING PRACTICES ACT."



W.D. Watson, Jr. TEXAS R.P.L.S. No. 1989
 FILE: T:\ECTOR\BLOCK 35 UL.dwg

2/8/14
 DATE



Watson Professional Group Inc

P.O. DRAWER 1186
 MIDLAND, TEXAS 79702
 (432) 520-9200
 FAX (432) 520-9212
 wd.watson@wpg-us.com

PERMIT PLAT
ENERGEN RESOURCES CORPORATION
EAST PENWELL SAN ANDRES UNIT 1125
1635' FSL & 1621' FEL
SECTION 1, BLOCK 35, UNIVERSITY LAND SURVEY
ECTOR COUNTY, TEXAS

DATE: JUNE 21, 2013 DATE SURVEYED: 6/10/13
 JOB NO.: 13-3033-00 FIELD BOOK 688/50 DRAFT NGH REV. 0