

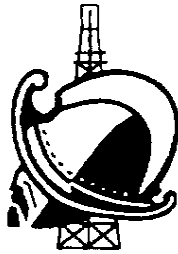
Minihan Oil & Gas Corporation

University V #29
Andrews County, Texas

Star Drilling Corporation
Rig #5

1-03-02 Day 14 - Drlg 7392' in lime. Made 551' in 24 hrs. Drlg Rate 23.2'/hr.
Dev 3/4 @ 7164'. Bit #4 Smith F47H, In @ 6701', Made 691' in 31 3/4
hrs - 7 7/8. Drlg w/FW, MW 8.6, Vis 29, PH 10, WOB 35-40000#, RPM
65, PP 575, SPM 46, Lnr 5 1/2, Stroke 16. 1/2 hr sur. 23 1/2 hrs drlg.
Mud Mix - 150 bbls oil, 15 gals fillamine, 22 paper, 74 FW gel, 17
Cellex, 5 Stay-flo.

42-003-38917
Blk 13
Sec 20



Capitan Corporation
A Wireline Service Company
P.O. Box 69292
Odessa, TX 79769
Off 915-385-1808
Fax 915-381-4052

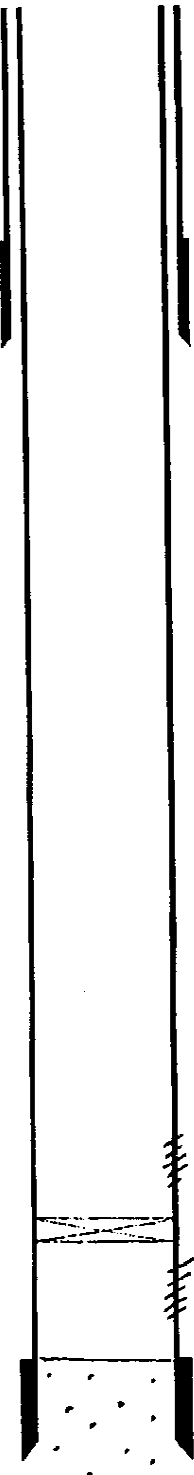
DATE 04/23/02 WELL NO. 29 LEASE Univ. Cons. V FIELD FULLERTON

04/22/02 TIH w/ 2000 BPS ELECT. Sub.
TEST Pump on 230 JTS 2 7/8" TBS
INSTALL WELLHEAD R.D.P.U.

* Sub pump is TEST UNIT.

230-JTS 2 7/8" TBS 7006.82
1- 2 7/8" x 6' Sub 6.-
1- 2 7/8" x 1.1 S.U. 1.1
1- Sub Pump's Motor Assy 122.-

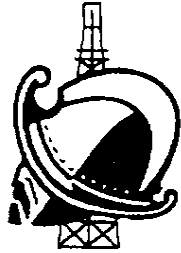
TOTAL 7135.92
A.C. 2060.- C.C. 28,764.-



Perfs
8440-44
CIBP
8449

Perfs
8452-84

5 1/2" 17 to 20# SET @ 8600'
PSTD 8540



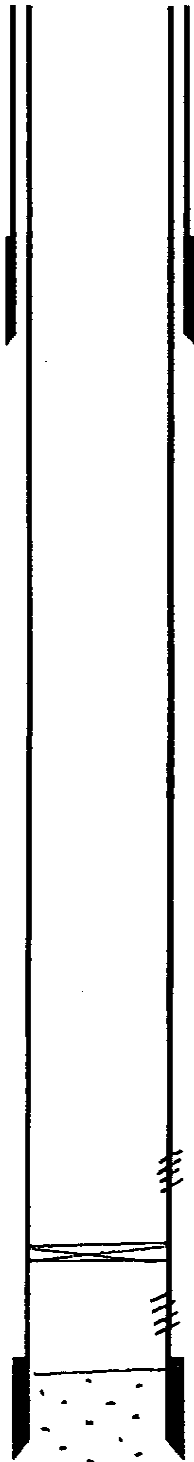
Capitan Corporation

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pg 2 of 3

DATE 04/17/02 WELL NO. 39 LEASE Univ. Consol. V FIELD FULLERTON



04/14/02 (CONT.) T.I.H. w/ 5/2" MODEL "B"
PKR ON 2 7/8" TBB. TAG CIBP @ 8449'
S.D.F.N.
D.C. 4300.- C.C. 13756.-

04/17/02 SITP - 0 - MOVE TBB TO 8440'
R.U. PETRO PLEX ACIDIZERS LOAD HOLE w/ 68
BBLS KCL H2O. 2pot 500gal 15% NEFE
HCL ACROSS PERFS @ 8440-44. MOVE PKR
TO 8392' & SET. ACIDIZE PERFS @ 8440-44
w/ 500 gal 15% NEFE @ 1.3 BPM @ 430 PSI.
FINISH w/ KCL H2O. I.S.I.P. 50 PSI VALVE
IN 3 MIN. R.U. SWAB S.F.L. 2000' (LOAD
TO RECOVER 70 BBLS.) RECOVER 81 BBLS
E.O.C. 10-15% w/ light gas show. SDFN.
D.C. 3009.- C.C. 16,764.-

04/18/02 SITP - 70 PSI. OPEN WELL G.I.H.
w/ swab S.F.L. 3000'. RECOVER
6 BBLS OIL 1st TRUN. SWABBED 72
BBLS IN 6 hrs E.F.L. 3800' E.O.C.
10-15% w/ light gas show. R.O. swab
G.I.H. w/ rods. S.D.F.N.
D.C. 1890.- C.C. 18,444.00

04/19/02 SITP - 75 PSI. LAY DOWN ALL RODS.
RELEASE PKR P.O.H. w/ TBB. PKR
STUCK @ 7165'. WORK THROUGH
TIGHT SPOT. P.U. 4 5/8" BIT
w/ 5/2" CSG SCRAPER. WORK
THROUGH TIGHT SPOT @ 7165'
w/ BIT & SCRAPER SEVERAL TIMES.
P.O.H. w/ BIT & SCRAPER. SDFN.
D.C. 1960.- C.C. 20,404.-



BRIDGE PLUG



PACKER



CENTRALIZER



SCRATCHER



CSG. CUT



PERFORATION

Minihan Oil & Gas Corporation
University V #29
Andrews County, Texas

Star Drilling Corporation
Rig #5

1-04-02 Day 15 - Drlg 7913' in lime & shale. Made 521' in 24 hrs. Drlg Rate 22 1/4' /hr. Dev 3/4 @ 7665'. Bit #4 Smith F47H, In @ 6701', Made 1212' in 55 hrs - 7 7/8. Drlg w/FW, MW 8.6, Vis 39, PH 9.5, WOB 40000#, RPM 65, PP 750, SPM 34, Lnr 6, Stroke 16. 23 1/4 hrs drlg. 1/4 hr service rig. 1/2 hr sur. Mud Mix - 15 gals fillamine, 3 caustic, 5 paper.

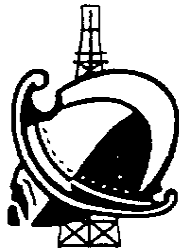
Minihan Oil & Gas Corporation

University V #29

Andrews County, Texas

Star Drilling Corporation
Rig #5

- 1-5-02 Day 16 - Drlg 8234' in lime. Made 321' in 24 hrs. Drlg Rate 14.5'/hr. Dev 1 @ 8125'. Bit #4 Smith F47H, In @ 6701', Made 1533' in 77 hrs - 7 7/8. Drlg w/FW, MW 8.8, Vis 36, PH 9.5, WOB 40000#, RPM 65, PP 1000, SPM 42, Lnr 6, Stroke 16. 1/4 hr rig service. 3/4 hrs jet & clean pits. 1 hr sur. 22 hrs drlg. Mud Mix - 15 gals fillamine, 6 caustic, 4 Stay-flo, 12 soda ash, 1 paper.
- 1-6-02 Day 17 - Drlg 8562' in lime. Made 328' in 24 hrs. Drlg Rate 14.4'/hr. No Dev. Bit #4 Smith F47H, In @ 6701', Made 1861' in 99 3/4 hrs - 7 7/8. Drlg w/FW, MW 8.6, Vis 36, PH 10, WOB 40000#, RPM 65, PP 1000, SPM 42, Lnr 6, Stroke 16. 1/4 hr rig service. 1 hr circ. 22 3/4 hrs drlg. Mud Mix - 15 gals fillamine.
- 1-07-02 Day 18 - TD 8620' in lime. Current Operation - LD DP&DCs. Made 58' in 24 hrs. Drlg Rate 19.3'/hr. Dev 1 @ 8620'. Bit #4 Smith F47H, In @ 6701', Out @ 8620', Made 1919' in 102 3/4 hrs - 7 7/8. Drlg w/FW, MW 8.7, Vis 40, PH 10, WOB 40000#, RPM 65, PP 1000, SPM 42, Lnr 6, Stroke 16. 3 hrs drlg. 1/2 hrs check pumps. 3 hrs circ for logs. 3 3/4 hrs TOH SLM & Totco. 5 3/4 hrs logging. 3 hrs TIH. 2 hrs circ. 3 hrs LDDP. Mud Mix - 5 gals fillamine, 20 FW gel.



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DATE 04/12/02 WELL NO. 29 LEASE Univ. Cons. V FIELD FULLERTON

04/11/02 MIRU. P.U. P.O.H. w/ Pump & Rods. INSTALL
 B.O.P. T.O.H. w/60 JTS 2 7/8" TBG. S.D.F.N.
 D.C. 1215. C.C. 1215.

04/12/02 SICP-20 PSI. T.O.H. w/2 7/8" TBG 230 JTS
 TOTAL R.U. Computalog G.I.H. w/4" CSG
 Guns. & Perf 4 shots/ft 90' phasing .42"
 12 gram charges @ 8478-8484'. R.D.W.L.
 G.I.H. w/5 1/2" MOOEH "R" PCKR ON 2 7/8" TBG
 SET PCKR @ 8470'. G.I.H. w/Swab. S.F.L. @
 5400'. RECOVER 27 BBLs Sulfur H2O NO oil
 or gas show. E.F.L. @ 7900'. S.D.F.N.
 D.C. 3778. C.C. 4993.

04/13/02 SITP. To light TO MEASURE - light Blow-
 SICP-20 PSI. G.I.H. w/Swab F.L. @ 5400'
 RECOVER 4 BBLs Sulfur H2O ON 1st RUN.
 R.U. PETRO-PLEX ACIDIZERS. ACIDIZE
 PERFS @ 8478-8484 w/500 GALLONS 15% NEFE
 HCL. Via 2 7/8" TBG. BREAK DOWN @ 1700
 PSI. TREAT @ 1.5 BPM -0- PSI. ISIP
 VACUUM. R.U. Swab G.I.H. S.F.L. @ 1800'
 RECOVER 30 BBLs. + 61 BBL HOAD.
 E.F.L. 4900'. No oil or gas show. S.D.F.N.
 D.C. 2948. C.C. 7941.

04/14/02 S.D.F. SUN.

04/15/02 SITP-0- SICP-0- G.I.H.
 w/2 swab RECOVER 38 BBLs BLACK PROD. H2O
 w/NO oil & gas show. S.F.L. @ 4500' E.F.L.
 @ 4900'. S.D.F.N.
 D.C. 1515. C.C. 9456.

04/16/02 SITP-0- RELEASE PCKR
 P.O.H. w/TBG & PCKR. R.U. Computalog
 G.I.H. w/4" CSG gun & PERF. 4 shots
 PERFOOT @ 8440-8444'. G.I.H. &
 SET CIBP @ 8449' R.D.W.L.

(CONT.)

CALCULATED
 CMT TOP
 2500'-5 1/2"
 CSG.

D.V. TOOL
 7185'

PERFS-8440-8444

CIBP-8449'

PERFS
 8452-56

8478-84

5 1/2" 17# & 20# SET @ 8600'
 P.BTD @ 8540'



Minihan Oil & Gas Corporation

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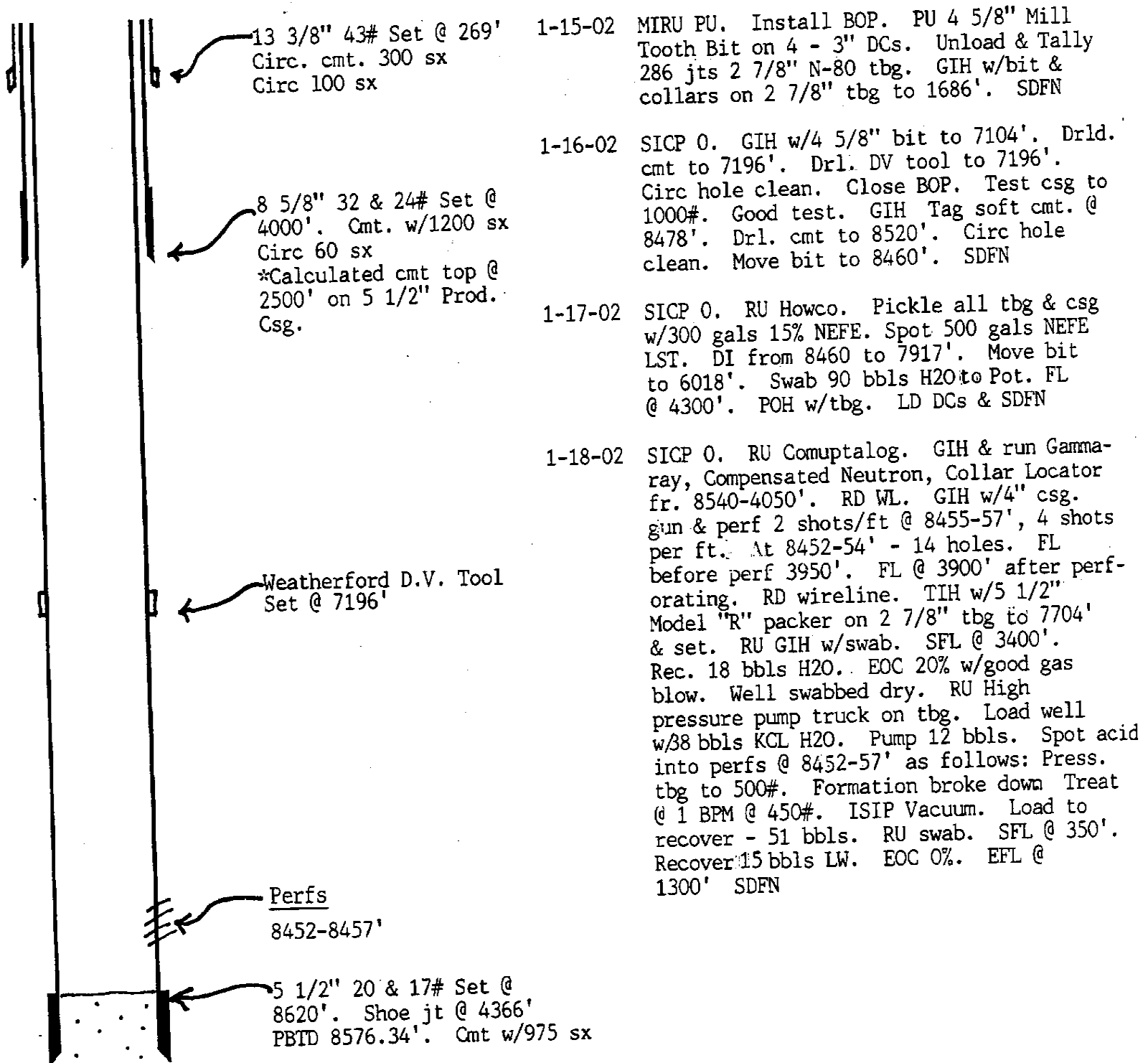
Rig #5

1-08-02 Day 19 - TD 8620' in lime. Current Operation - Rigging down. 2 3/4 hrs LDDP&DCs. 6 3/4 hrs RU csg crew. 1/2 hr circ csg. Ran 213 jts 5 1/2" 17# & 20# LT&C csg (8629'). Set @ 8620. DV tool @ 7196'. 3/4 hr cmt 1st stage w/325 sx "H". PD 5:45 pm 1-7-02. 5 3/4 hrs circ thru DV tool. 1 hr cmt 2nd stage w/450 sx "C" 65/35 poz 6 % gel. TI w/200 sx "C". PD 12:35 am 1-8-02. 3 hrs ND & set slips. 3 1/2 hrs clean pits. RR 7:00 am 1-8-02.

MINIHAN OIL & GAS CORPORATION

P. O. Box 4364
Midland, Texas 79704

DATE 1-21-02 WELL NO. 29 LEASE Univ. Consol. V FIELD Fullerton



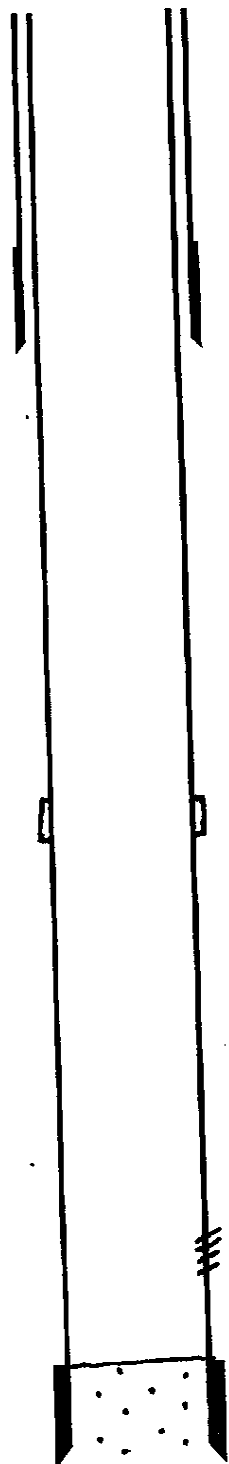
 BRIDGE PLUG
  PACKER
  CENTRALIZER
  SCRATCHER
  CSG. CUT
  PERFORATION

(Use reverse side for additional remarks & sketches.)

MINIHAN OIL & GAS CORPORATION

**P. O. Box 4364
Midland, Texas 79704**

DATE 1-21-02 WELL NO. 29 LEASE Univ. Consol. V FIELD Fullerton



1-19-02 SITP 100#. Opened well - Bled off gas. RU swab. SFL @ 500'. Recover 10 bbls oil & 28 bbls wtr. Kick well off. Well flowed 25 bbls in 30 mins. Install 14/64" ck. Well flowing @ 3 bbls/hr. Left well flowing to tank @ 90#. SDFN

1-20-02 FTP 90#. Well flowed 45 bbls in 15 hrs. Leave well flowing to Test Tank.

1-21-02 FTP 90#. Well flowed 60 bbls in 24 hrs. Remove 14/64" ck. Install 20/64" ck. Well flowed 8 bbls oil in 1 hr. RD PU. Turn well over to pumper.

1-22-02 FTP 55#. Well flowed 92 BO, no wtr in 24 hrs. Test @ 2:00 pm - 4 BO per hr. Rate 102 BOPD

1-23-02 FTP 40#. Well flowed 85 BO, no wtr in 24 hrs. Prep to pull tubing & run rods.

1-24-02 Ran Production Equipment as Follows:

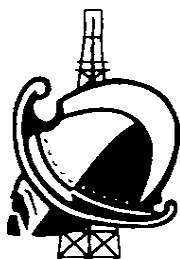
231 jts 2 7/8" N-80 Tbg	7022.04
1 - 2 7/8" x 5 1/2" TAC	3.00
1 - 2 7/8" API SN	1.10
1 - 2 7/8" Perf Sub	3.00
1 - 2 7/8" MA w/BP	31.10
	KB 9.00
	Total 7069.24

Ran 2 1/2" x 1 1/2" x 24" Insert Rod Pump on 1" steel & 1.25" Fiber Glass rods. Space out well. RDPU. WO Pumping Unit.

Perfs
8452-8457'



(Use reverse side for additional remarks & sketches.)



P.O. Box 69292
Odessa, TX 79769
Off 915-385-1808
Fax 915-381-4052

DATE 01/18/02 WELL NO. 29 LEASE Univ. Cons. V FIELD Fullerton Dev.



01/18/02 RECOVER 18 BBLs H₂O. E.O.C.
20% w/5000 gas Blow. Well Swabbed
DRY. R.U. High pressure pump TRUCK
ON TBG. LOAD WELL w/38 BBLs KCh H₂O.
Pump 12 BBLs Spot Acid INTO PERFS
@ 8452-57 as follows. PRESSURE TBG
TO 500 PSI. FORMATION BROKE DOWN,
TREAT @ 1 BPM @ 450 PSI, I.S.I.P
VACUM. LOAD TO RECOVER 51 BBLs.
R.U. Swab S.F.L. @ 350'. RECOVER
15 BBLs Load H₂O. E.O.C. 0%. E.F.L.
@ 1300'. S.D.F.N.

01/19/02 SITP 100 PSI. OPEN WELL BLEED
off GAS. R.U. Swab. S.F.L. @ 500'.
RECOVER 10 BBLs oil 28 BBLs H₂O.
Kick well off. Well Flowed 25 BBLs
IN 30 MIN. Install 1/4" choke.
Well Flowing @ 3 BBLs/hr. LEFT
WELL FLOWING TO TANK @ 90 PSI.
S.D.F.N.

01/20/02 F.T.P. 90 PSI. WELL FLOWED 45 BBLs
IN 15 HRS. LEAVE WELL FLOWING
TO TEST TANK.

01/21/02. FTP 90 PSI. WELL FLOWED 60
BBLs IN 24 HRS. REMOVE 1/4" choke
INSTALL 20/64" choke. WELL
FLOWED 8 BBLs oil IN 1 hr. R.D.P.U.
TURN WELL OVER TO PUMPER.

Perfs
8452-8457

BRIDGE PLUG PACKER CENTRALIZER SCRATCHER CSG. CUT PERFORATION

(Use reverse side for additional remarks & sketches.)

Minihan Oil & Gas CorporationUniversity V #29
Andrews County, TexasStar Drilling Corporation
Rig #5

12-13-01 Day 1 - TD 256' in redbeds. Current Operation - NU BOPs. Made 256' in 24 hrs. Drlg Rate 85.3'/hr. No Dev. Bit #1 STC RH1160, In @ 0, Out @ 256'. Made 256' in 3 hrs - 17 1/2. Drlg w/FW, MW 8.4, Vis 35, PH 10, WOB 30-50000#, RPM 90, PP 800, SPM 47, Lnr 6, Stroke 16. 9 hrs MIRU. Spudded well 2:00 pm 12-12-01. 3 hrs drlg. 1 1/4 hrs circ. 1 hr tripping. 1 1/4 hrs ran 4 jts 13 3/8" J-55 csg. Set @ 256'. 1 hr cmt csg w/185 sx "C" 4% gel 2% CaCl. TI w/100 sx "C" 2% CaCl. Circ 151 sx to pit. 1 1/2 hrs WOC. 5 hrs cut & weld on head. 2 hrs NU. Mud Mix - 30 sx FW gel, 4 paper, 5 lime.

Minihan Oil & Gas Corporation

University V #29
Andrews County, Texas

Star Drilling Corporation
Rig #5

12-14-01 Day 2 - Drlg 1445' in redbeds. Made 1189' in 24 hrs. Drlg Rate 63.4'/hr.
Dev 1/2 @ 372', 3/4 @ 734', 1 @ 1137'. Bit # 2 Verei ETD29, In @
256', Made 1189' in 18 3/4 hrs - 11. Drlg w/FW, MW 10, Vis 29, PH 10,
WOB 45-50000#, RPM 90, PP 1000, SPM 44, Lnr 6, Stroke 16. 1 hr
tripping. 3 1/2 hrs drlg cmt. 18 3/4 hrs drlg. 3/4 hr sur. Mud Mix - 11
paper, 24 lime.

Minihan Oil & Gas CorporationUniversity V #29
Andrews County, TexasStar Drilling Corporation
Rig #5

- 12-15-01 Day 3 - Drlg 2625' in salt. Made 1180' in 24 hrs. Drlg Rate 50.7'/hr. Dev 3/4 @ 1504, 1 @ 1879', 3/4 @ 2254'. Bit # 2 Verel ETD29, In @ 256', Made 2369' in 42 hrs - 11. Drlg w/brine, MW 10, Vis 29, PH 10.5, WOB 15-35000#, RPM 80, PP 1100, SPM 44, Lnr 6, Stroke 16. 23 1/4 hrs drlg. 3/4 hrs sur. Mud Mix - 19 lime, 18 paper, 20 gel, 12 gals Vis-Plus. ✓
- 12-16-01 Day 4 - Drlg 3450' in anhy & salt. Made 825' in 24 hrs. Drlg Rate 36.2'/hr. Dev 1 @ 2595', 1/2 @ 2909', 1/2 @ 3345'. Bit # 2 Verel ETD29, In @ 256', Made 3194' in 64 3/4 hrs - 11. Drlg w/brine, MW 10, Vis 29, PH 10.5, WOB 50000#, RPM 60, PP 1450, SPM 49, Lnr 6, Stroke 16. 22 3/4 hrs drlg. 1 1/4 hrs service rig & sur. Mud Mix - 30 lime, 6 paper, 5 gals Vis-Plus.
- 12-17-01 Day 5 - Drlg 3960' in anhy. Made 510' in 24 hrs. Drlg Rate 21.9'/hr. Dev 1/2 @ 3844'. Bit # 2 Verel ETD29, In @ 256', Made 3704' in 88 hrs - 11. Drlg w/brine, MW 10, Vis 29, PH 10.5, WOB 50000#, RPM 60, PP 1450, SPM 48, Lnr 6, Stroke 16. 23 1/4 hr drlg. 1/4 hr service rig. 1/2 hr sur. Mud Mix - 14 lime, 6 paper, 5 gals Vis-Plus.

Minihan Oil & Gas Corporation

University V #29

Andrews County, Texas

Star Drilling Corporation

Rig #5

12-18-01

Day 6 – TD 4000' in anhy. Made 40' in 24 hrs. Drlg Rate 17.7'/hr. Dev 3/4 @ 4000'. Bit # 2 Verel ETD29, In @ 256', Out @ 4000', Made 3744' in 90 1/4 hrs – 11. Drlg w/brine, MW 10, Vis 29, PH 10.5, WOB 50000#, RPM 60, PP 1450, SPM 48, Lnr 6, Stroke 16. 2 1/4 hrs drlg. 1 hr circ. 1 3/4 hrs TOH. 1 hr LD 8" DCs. 7 1/2 hrs RU csg crew & run 102 jts 8 5/8" csg (4028") Set @ 4000'. Cmtd csg w/425 sx "C" 6% gel, 5% salt, 2nd stage 300 sx "C" 50/50 poz 10% gel 5% salt. TI w/200 sx "C" 2% CaCl. Circ 60 sx. PD 7:30 pm 12-17-01. 3 1/2 hrs set slips & cut off. 5 1/4 hrs NU. 1/2 hr test rams & WOC. SD for Xmas. Mud Mix – 22 salt gel, 2 soda ash, 4 paper.

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Rig #5

12-27-01 Day 7 - TD 4355' in dolo. Current Operation - TIH w/core barrel. Made 355' in 24 hrs. Drlg Rate 26.3'/hr. Dev 1/2 @ 4355'. Bit #3 Smith F47H, In @ 4000', Made 355' in 13 1/2 hrs. Drlg w/FW, MW 8.6, Vis 30, PH 10.5, WOB 35-40000#, RPM 65, PP 1200, SPM 50, Lnr 6, Stroke 16. 3 1/4 hrs prep to start drlg. 1 hr drlg cmt, float collar, & shoe. 13 1/2 hrs drlg. 3 1/2 hrs circ. 1 3/4 hrs drop TOTCO & TOH. 1 hr PU core barrel. Mud Mix - 2 paper, 40 FW gel, 50 starch, 1 lime.

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Rig #5

12-28-01 Day 8 - TD 4475' in sand, shale & dolo. Current Operation - servicing rig. Made 120' in 24 hrs. Coring Rate 13.3'/hr. No Dev. Core Barrel #1 Dowdco CP43, In @ 4355', Made 120' in 8 1/2 hrs - 7 27/32". Drlg w/FW, MW 8.6, Vis 30, PH 10.5, WOB 8-10000#, RPM 65, PP 900, SPM 50, Lnr 6, Stroke 16. 1 1/2 hrs PU core barrel & jars. 2 hrs TIH. 3 hrs Core #1 - 4355-4415'. 3 1/2 hrs TOH & chain out. 1 hr LD core - rec 60' core. 2 1/2 hrs TIH. 6 hrs Core #2 - 4415-4475'. 3 hrs TOH & chain out. 1 1/2 hrs LD core - rec 60'. Mud Mix - 30 gals STC.

Minihan Oil & Gas CorporationUniversity V #29
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Rig #5

- 12-29-01 Day 9 - Drlg 4652' in sand, shale & dolo. Made 177' in 24 hrs. No drlg rate or dev. Core Barrel #1 Dowdco CP43, In @ 4355', Out @ 4535', Made 180' in 12 1/2 hrs - 7 27/32" Bit #3 Smith F47H, In @ 4000', Made 472' in 21 hrs - 7 7/8 . Drlg w/FW, MW 8.6, Vis 29, PH 10, WOB 35-40000#, RPM 65, PP 900, SPM 50, Lnr 6, Stroke 16. 1/4 hr rig service. 2 1/2 hrs TIH w/core bbl. 4 hrs Core #S3. 2 3/4 hrs TOH & chain out. 1 1/2 hr LD core - rec 60'. 2 hrs TIH. 2 hrs ream fr. 4355-4536'. 7 1/2 hrs drlg from 4536-4652'. 1 1/2 hrs circ. No Mud.
- 12-30-01 Day 10 - Drlg 5521' in dolo. Made 869' in 24 hrs. Drlg Rate 39.5'/hr. Dev 3/4 @ 4851', 1/2 @ 5310'. Bit #3 Smith F47H, In @ 4000', Made 1341' in 43 hrs - 7 7/8 . Drlg w/FW, MW 8.6, Vis 29, PH 10, WOB 35-40000#, RPM 65, PP 1200, SPM 50, Lnr 6, Stroke 16. 22 hrs drlg. 1 hr circ samples @ 4641'. 1 hr sur. Mud Mix - STC 5 gals, 15 gals fillamine, 6 paper.
- 12-31-01 Day 11 - Drlg 6112' in lime. Made 591' in 24 hrs. Drlg Rate 25'/hr. Dev 1/2 @ 5789'. Bit #3 Smith F47H, In @ 4000', Made 1743' in 66 1/4 hrs - 7 7/8 . Drlg w/FW, MW 8.6, Vis 29, PH 10, WOB 35-40000#, RPM 65, PP 1000, SPM 42, Lnr 6, Stroke 16. 23 1/4 hrs drlg. 1/4 hr service rig. 1/2 hr survey. Mud Mix - 15 gals fillamine, 3 paper, 7 lime.

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Andrews County, Texas

**Star Drilling Corporation
Rig #5**

- 1-01-02 Day 12 - Drlg 6634' in lime. Made 522' in 24 hrs. Drlg Rate 22.5'/hr. Dev 3/4 @ 6259'. Bit #3 Smith F47H, In @ 4000', Made 2454' in 89 1/2 hrs - 7 7/8. Drlg w/FW, MW 8.6, Vis 29, PH 10, WOB 35-40000#, RPM 65, PP 650, SPM 46, Lnr 5 1/2, Stroke 15. 1/4 hr rig service. 1/2 hr wire line sur. 23 1/4 hrs drlg. Mud Mix - 15 gals fillamine, 13 paper, 30 FW gel, 4 lime.
- 1-02-02 Day 13 - Drlg 6841' in lime. Made 207' in 24 hrs. Drlg Rate 16.5'/hr. Desv 1 @ 6665'. Bit #3 Smith F47H, In @ 4000', Out @ 6701', Made 2521' in 93 hrs. Bit #4 Smith F47H, In @ 6701', Made 140' in 9 hrs - 7 7/8. Drlg w/FW, MW 8.6, Vis 29, PH 10, WOB 35-40000#, RPM 65, PP 575, SPM 46, Lnr 5 1/2, Stroke 15. 1/4 hr rig service. 7 1/2 hrs tripping for new bit. 1 hr LD core bbl. 2 1/2 hrs cut drlg line, check pump, & replace rotary chain. 1/4 hr circ buttons off bottom. 12 1/2 hrs drlg. Mud Mix - 5 gals fillamine.