

Well Drilling Log

WELL NAME: Tolbert #1
AREA: Walsh
LOCATION: Sec. 33-32S-43W
COUNTY: Baca
STATE: Colorado
ELEVATIONS: 3928' GL 3938' (est) KB
FOOTAGE: 1320' FSL & 1320' FWL

CONTRACTOR: Murfin
NID APPROVED:
EST. TD: 3350'
AFE NUMBER: B1738
LEASE NUMBER: 51502
TXO WI: 75%

COMPANY

CONTACT

ALTERNATE

TO&G 2700 Fidelity Union Tower Dallas TX 75201	(214) 747-8341 Telecopy	J. D. Huppler
MICHIGAN-WISCONSIN PIPELINE CO Energy One Building Suite 2500 717 Seventeenth Street Denver CO 80202	(303) 571-1110 Call Daily - Mary Bernetti Mail weekly	W. J. Pearson
MICHIGAN WISCONSIN PIPELINE CO 1100 Galleria West 5075 Westheimer Houston TX 77056	(713) 623-0300 Do not Call Mail weekly	R. B. Ross L. A. Aucion Dr. James W. Givens

7/22/79	DD #1, 445' made 445', trip for bit, sh, 3/4° @ 445', MW 9.5, VIS 36, BIT #1: 12 1/4" OSC-3A, out @ 445' made 445' in 8 1/4 hrs. Spud 12 1/4" hole @ 8:30 pm 7-21-79. 12 1/4" hole comp. 5:15 am 7-22-79. DMC \$526.18, CMC \$526.18.
7/23/79	DD #2, 1515' made 1070', TOOH to run csg, 1/2° @ 1041', MW 9.5, VIS 37, BIT #3: 7 7/8" OSC-3A in @ 1040' made 475' in 8 hrs. BIT #2: 7 7/8" OSC-3A out @ 1040' made 595' in 10 3/4 hrs. DMC \$163.90, CMC \$690.08.
7/24/79	DD #3, 1800' made 285', drlg, sh, DEVIATION 3/4° @ 1515', MW native, BIT #4: 7 7/8" OSC-3A in @ 1515' made 255' in 5 3/4 hrs. 12 1/4 hrs WOC. Ran 10 jnts 8 5/8" 24# K-55 R-3 C-A csg 428.48; set @ 440', cmt w/250 sx Halco light w/2% CaCl & 150 sx Class "H" w/3% CaCl cmt circ. PD 9:45 am 7-23-79. DP 10 pm 7-23-79. DMC \$0, CMC \$690.08, CW \$27,800.
7/25/79	DD #4, 2615' made 815', drlg, sh, MW native, DEVIATION 1/2° @ 2384', BIT #5: 7 7/8" J-22 in @ 2384' made 231 in 8 3/4 hrs. BIT #4: 7 7/8" OSC-3A out @ 2384' made 869' in 16 1/4 hrs. CMC \$690.08, CW \$35,300.
7/26/79	DD #5, 3095' made 480', drlg, lm & sh, MW 9.3, VIS 44, PH 8.5, SOLIDS 6.8, PV 5, YP 4, GELS 5/9, OIL 0, LCM 1, BIT #5: 7 7/8" J-22, in @ 2384 made 716' in 30 1/4 hrs, DMC \$1016.36, CMC \$1706.44, CW \$40,800.
7/27/79	DD #6, circ, 3158' made 63', lm & sd, MW 9.4, VIS 120, WL 12, CAKE 2/32, CL 21000, PH 10.5, SOLIDS 7, PV 15, YP 16, GELS 14/38, LCM 2, BIT #6: 7 7/8" J-22RR in @ 3158. DMC \$261.16, CMC \$1967.60. DST #1: 3139-3158', Topeka "A", IFP, TO w/wk blw incr to btm bucket in 9". NGTS. FFP, TO w/GTS immed, 21.8 5" 25 MCFD, 10" 21.8, 15" 19.5, 20" 19.5, 25" 19.5, 30" 19.5 MCFD, 35" 19.5 MCFD, 40" 20.7 MCFD. 45" 21.8 MCFD, 50" 22.9 MCFD, 55" 23.9 MCFD, 60" 25 MCFD. Rec: 75' GCM. IHHP 1786#, 30" IFP 14-43#, 60" ISIP 354#, 60" FFP 43-57#, 120" FSIP 354#, FHHP 1757#, BHSC 325#, .005 cu ft, 1650 cc W&GCM. GCM.
7/28/79	DD #7, 3270' made 111', drlg, sh, DEVIATION 1/2° @ 3236', MW 8.9, VIS 65, WL 12, CAKE 2/32, CL 11000, PH 11.5, SOLIDS 6.8, PV 13, YP 12, GELS 14,28, LCM 1, BIT #5: 7 7/8" J-22 in @ 2384' made 886' in 41 hrs. DMC \$145.59, CMC \$2113.19, WDP 16 3/4. DST #2: 3202-3236', Topeka "C", IFP, TO w/stg blw, GTS in 2", 5" 450 MCFD, 30" 1098 MCFD. FFP, TO w/GTS, 5" 1162 MCFD, 25" 1247 MCFD stablized. Rec: 125' GCM. Top Rw = .535 @ 73°F, Middle Rw = .550 @ 73°F, Btm Rw = .550 @ 73°F, Mud Rw = .55 @ 73° F. IHHP 1642#, 30" IFP 108-149#, 60" ISIP 419#, 60" FFP 149-162#, 120" FSIP 419#, FHHP 1628#, BHT 90°F, BHSC @ 390#, .009 cfg, 800 cc mud. Rw = .550 @ 73°F, CL 11,000 ppm.
7/29/79	DD #8, 3350' made 80', LD DP, DEVIATION 1/16° @ 3350', MW 9.2, VIS 53, WL 15.3, CAKE 2/32, CL 85000, PH 10.5, SOLIDS 6, PV 13, YP 10, GELS 10/34, BIT #5: 7 7/8" J-22 in @ 2384' out @ 3350' made 966' in 45 3/4 hrs. TD 7 7/8" hole @ 1:45 pm 7-28-79. Start logs 8 pm 7-28-79. Fin log 12:45 am 7-29-79. Ran CNL-FDC 3346-436', Ran DIL 3342-436', LTD 3348', TIH, circ 2 hrs, TOOH LD DP. DMC \$91.64, CMC \$2204.83, WDP 14 3/4.

JENVER DISTRICT
TEXAS OIL & GAS CORP
Colbert #1
Sec, 33-32S-43W
Baca Co., Colorado

7/30/79 DD #9, 3350', ran 4 1/2" csg as follows: 1-4 1/2" guide shoe, .8; 1 jnt 4 1/2" K-55 ST&C 10.5# R-3 C-A; 35.00; 1-4 1/2" Halco float w/auto fillup; 42 jnts 4 1/2" csg, 1722.78', 1 4 1/2" Pengo cmt stage tool, 2.30' 39 jnts 4 1/2" csg as above 1598.86; shoe @ 3349', float @ 3313, stage tool @ 1588, cmt w/120 sx 50-50 Pozmix w/18% salt, 3/4% CFR-2, Displ w/53 bbl fresh wtr, float held, PD 12:15 pm 7-29-79. Full returns, RR 1:15 pm 7-29-79. CW \$76,800.

7/31/79 PBTD 3313', WOCU.

3/1/79 PBTD 3313', WOCU.

3/2/79 PBTD 3313', WOCU.

8/3/79 PBTD 3313', WOCU.

8/4/79 PBTD 3313', WOCU.

8/5/79 PBTD 3313', WOCU.

8/6/79 PBTD 3313', WOCU.

8/7/79 PBTD 3313', WOCU.

8/8/79 PBTD 3313', WOCU.

8/9/79 PBTD 3313', WOCU.

8/10/79 PBTD 3313', WOCU.

8/11/79 PBTD 3313', WOCU.

8/12/79 PBTD 3313', WOCU.

8/13/79 PBTD 3313', WOCU.

8/14/79 PBTD 3313', WOCU.

8/15/79 PBTD 3313', WOCU.

8/16/79 PBTD 3313', MIRU, RIH w/shifting tool, SSN, 53 jnts 2 3/8" tbg, RU Halco, press csg to 300#, open sleeve @ 1588', P 45 bbls wtr @ 1 1/4 bpm @ 800#, couldn't break circ, closed sleeve, press csg to 1000#, held ok. TOOH, RU McCullough, ran GR-Corr log 3286-2700', LTD 3290', perf csg w/3 1/8" omega jet csg gun 3203-3209', 2 JSPF (14 holes) 3148-3155', 2 JSPF (16 holes), T14 w/4 1/2" Pengo GS-III pkr, 5.60'. 2 3/8" x 1 25/32 SSN, 1.10', 104 jnts 2 3/8" 4.7 J-55 R-2 C-A tbg, 3130', set 6' below KB, btm of pkr @ 3144', top of SSN @ 3136', RU to swab, hole full, swb 1 hr lowered FL to SN, slight show of gas last run. SWI, SDFN.

8/17/79 PBTD 3313', RU Halco, acidize dwn tbg w/800 gals 7 1/2% KCl and 25 ball sealers. Displ w/13 bbls wtr, BD 1000#, ball action 0-550 psi, MTP 1000#, mtp 0#, ATP 400#, MIR 4 bpm, mir 1 bpm, AIR 3 1/4 bpm, ISDP 200#, vac in 30 sec, TLTR 32 bbls, ran swb, FL 1500', swb 5 hrs, rec 15 bbls, well KO, F 32# on 1/2", 342 MCFD, rec 150' fluid each run. Release pkr, dump 38 bbls wtr on backside, swb 4 hrs, rec 20 bbls, well KO, F 32# on 1/2", 342 MCFD, 35 BLTR. Left open to pit ON.

8/18/79 PBTD 3313', Ran swab, rec 100' GCW, installed 1/2" F to pit 2 1/2 hrs, 32# on 1/2" ch. 243 MCFD. Ran 1 jnt tbg, set pkr between zone @ 3174'. Ran swb, rec 50' of GCW. F to pit 3 hrs, 10# on 1/2", 116 MCFD. CP 290#. SWI., RU Halco, reacidize lower Topeka "C" dwn Fbg w/400 gals 7 1/2" HCl, displ w/13 bbls wtr, BD 1250#, MTP 1250#, mtp 800#, ATP 850#, MIR 4 1/2 bpm, mir 2 bpm, AIR 4 bpm, ISDF 0#, TLTR 22 1/2 bbls, ran swb, FL 1500', swb 1 hrs, rec 13 bbls, well KO, F to pit ON. SDFD. 9 1/2 BLTR.

8/19/79 PBTD 3313', F to pit 1 hr, 45# on 1", 1269 MCFD, choke to 150# ftp. F for 3 hrs, 38# on 1", 1120 MCFD @ 150# w/light mist. RR 9 am 8-18-79. SWI. IP: 1120 MCFD @ 150# ftp. SI Topeka gas well, WOPL, Final Report!!

LOG TOPS:

Base Stone Corral	1556'	Topeka "A"	3141'
Cottonwood	2662'	"B"	3164'
Neva	2721'	"C"	3203'
Wabaunsee	2891'	"D"	3266'
Topeka	3068'	DTD	3350'
		LTD	3348'

DENVER DISTRICT
Tolbert #1
Section 33-32S-43W
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4/10/80 PBTD 3313', Date of first production; 4/9/80 @ 1:50 pm. Initial rate 500
 MCFD @ 150 PSI LP Gas sold to Nueces. FINAL REPORT!!