

Daily Operations Report

Well: SUNDANCE FEDERAL 14

Objective: DRILL & COMPLETE DELAWARE FORMATION

Field:

Job Type: D&C

County: EDDY

AFE #: 473

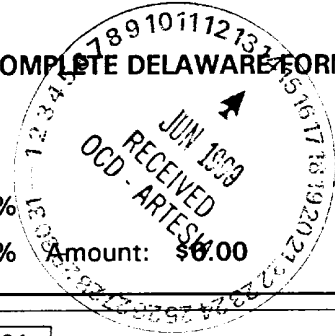
State: NM

WI: 46.08%

District: West

NRI: 38.52%

Amount: \$0.00



Date	2/11/94	Daily Cost	\$41,266.00	Cost to Date	\$551,694
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TD = 682'. DEVIATION SURVEY 344 - 1 DEG. MUD WT 8.6, VIS 31, pH 9.5. SPUD AT 6:00 P.M. CIRC HOLE CLEAN TO POH & RAN 13 3/8" CSG.

Date	2/12/94	Daily Cost	\$59,006.00	Cost to Date	\$551,694
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TD = 682'. POH, RIG UP CSG CREW. PICKED UP 13 3/8" CSG. TX PATTERN SHOE @ 682' & FLOAT COLLAR @ 640'. RIG UP DOWELL. PUMPED 322 SX LEAD CMT 35/65 POZ C + 6% D20 + 2% SI + 1/8# D29, & 200 SX TAIL CMT C + 2% SI. DISPLACE W FRESH WATER. BUMP PLUG, CHECKED FLOWBACK = (NO FLOW). CIRC 40 BBLS (110 SX) LEAD CMT TO SURFACE. WOC 12 HRS MADE - CUT OFF, WELDED HEAD ON, NU BOP'S.

Date	2/13/94	Daily Cost	\$14,684.00	Cost to Date	\$551,694
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TD = 1920'. MADE 1238' @ 70' PER HR. DEVIATION SURVEY 1162 - 1 DEG, 1659 - 1/2 DEG. MUD WT 10, VIS 29, pH 10. FINISHED NU BOP'S, TEST BLIND RAMS, PICKED UP BHA & TIH TEST PIPE RAMS. DRLG CMT.

Date	2/14/94	Daily Cost	\$13,259.00	Cost to Date	\$551,694
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TD = 2985'. MADE 1065' @ 25' PER HR. DEVIATION SURVEYS: 2154' - 1 1/4 DEG, 2650' - 1 1/4 DEG. MUD WT 10, VIS 29, pH 10.

Date	2/15/94	Daily Cost	\$7,643.00	Cost to Date	\$551,694
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TD = 3475'. MADE 490'. DEVIATION SURVEYS: 3082' @ 2 3/4 DEG, 3361' @ 3 1/2 DEG., 3463' @ 3 3/4 DEG. MUD WT. 10., VIS. 29, PH 10. DRLG. 20' PER HR.

Date	2/16/94	Daily Cost	\$4,209.00	Cost to Date	\$551,694
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TD = 3761'. MADE 286' @ 10' PER HR. DEVIATION SURVEY: 3547 - 4 DEG, 3612' - 4 1/4 DEG, 3744 - 3 3/4 DEG. MUD WT 10, VIS 29, pH 10.

Date	2/17/94	Daily Cost	\$4,460.00	Cost to Date	\$551,694
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TD = 4100'. DEVIATION SURVEYS: 3795' - 3 3/4 DEG, 3865' - 3 1/4 DEG, 3950' - 2 1/4 DEG. MUD WT 10, VIS 29, pH 10. MADE 339' CURRENT OPERATION CIRCULATING HOLE TO PREPARE TO RUN 8 5/8 CASING.

Date	2/18/94	Daily Cost	\$55,359.00	Cost to Date	\$551,694
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TD = 4100'. DEVIATION SURVEYS 4100' - 2 DEG. MUD WT 10, VIS 29, pH 10. RUN FLUID CALIPERS. CIRC BTMS UP & POH. LD DC'S. PICKED UP SHOE, 1 JT & FLOATED COLAR & 90 JTS 8 5/8 CSG. SHOE @ 4100' & FLOATED COLLAR @ 4055'. WASH FILL F/3850' TO 4100'. RIG UP DOWELL PUMP 1150 SX 35/65 PozC + 6% D20 + 10% D44 + 1/4# D 29 + .2% D46 LEAD CMT & PUMPED 200 SX C + 2% S-1 TAIL CMT. DISPLACE W/FW. CIRC 169 SX (63BBLS) LEAD CMT TO SURFACE. BUMPED PLUG, BLEED OFF (NO FLOW BACK), PSI UP 500#. SDON. WOC.

Date	2/19/94	Daily Cost	\$6,922.00	Cost to Date	\$551,694
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TD = 4612'. MADE 512' @ 50' PER HR. MADE CUT-OFF, TESTED B-SECTION, NU BOP'S, TESTED & PICKED UP 7 7/8" BIT, BHA & TIH.

Date	2/20/94	Daily Cost	\$16,888.00	Cost to Date	\$551,694
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TD = 5830'. MADE 1218' @ 50' PER HR. DEVIATION SURVEY: 4574 - 3/4 DEG, 5048' - 1/4 DEG, 5322' - 1 DEG. MUD WT 8.9, VIS 30, pH 10, WATER LOSS 12.

Date	2/21/94	Daily Cost	\$10,057.00	Cost to Date	\$551,694
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TD = 6590'. MADE 760' @ 25' PER HR. DEVIATION SURVEYS: 6017' - 1 DEG, 6492' - 3/4 DEG. MUD WT 8.9, VIS 30, pH 10, WATER LOSS 12.

Date	2/22/94	Daily Cost	\$7,871.00	Cost to Date	\$551,694
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TD = 7158'. MADE 568' @ 20' PER HR. DEVIATION SURVEY: 6992 - 1 DEG. MUD WT 8.9, VIS,30, pH 10.5, WATER LOSS 10. 2 HRS TRIP FOR HOLE IN DRILL PIPE.

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Job Type: D&C

Field:

AFE #: 473

County: EDDY

WI: 46.08%

State: NM

NRI: 38.52% Amount: \$0.00

District: West

Date 2/23/94 Daily Cost \$10,289.00 Cost to Date \$551,694

TD = 7780'. MADE 622' @ 20' PER HR W/FULL RETIRNS. DEVIATION SURVEY: 7491' - 1 1/2 DEG. MUD WT 9.0, VIS 30, pH 10.5 WATER LOSS 10. LOST CIRC @ 7185'.

Date 2/24/94 Daily Cost \$5,342.00 Cost to Date \$551,694

TD = 8080'. MADE 300' @ 17' PER HR. DEVIATION SURVEY: 7938 - 1 1/2 DEG. MUD WT 9.0, VIS 40, pH 10, WATER LOSS 10. POH @ 7927 TO CHANGE BIT.

Date 2/25/94 Daily Cost \$10,960.00 Cost to Date \$551,694

TD = 8170'. MADE 90' @ TO TD. DEVIATION SURVEY: 8170' - 1 1/4 DEG. MUD WT 9.0, VIS 30, pH 10, WATER LOSS 10. CIRC MADE SHORT TRIP. POH - RIG UP COMPUTALOG W/L & RUN OPEN-HOLE LOGS.

Date 2/26/94 Daily Cost \$73,305.00 Cost to Date \$551,694

TD = 8170'. DEVIATION SURVEY: 8170' - 1 1/4 DEG. MUD WT 9.0, VIS, pH 10 WATER LOSS 10. RIG DN COMPUTALOG. TIH W/BIT. CIRC & POH LAYING DN DRILL PIPE & NC'S. PICKED UP 5 1/2" FLOAT SHOE, 25' SHORT JT, & FLOAT COLLAR & REST OF 6 1/2" CASING. PLACE SHOE @ 8170'. COLLAR @ 8142'. SHORT JT 7897' - 7917'. DV TOOL 5510'. BTM 17# - 1127'. MIDDLE 15.5# - 6256'. TOP 17# - 810'. RIG UP DOWELL PUMP. 100 BBLS. FW, 742 SX 50/50 PozH + 3#/SX D44 + 2.5#/SX B28 + 1/4#/SX D29 + .3% D60 + .2% D46, DISPLACE W/WF. BUMP PLUG, BLEED OFF CHECK FOR FLOWBACK (DIDN'T FLOW). DROP DV TOOL BOMB, OPEN DV TOOL CIRC 4 HRS(CIRCULATED 18 BBLS-72 SX-OFF OF DV TOOL).

Date 2/27/94 Daily Cost \$7,040.00 Cost to Date \$551,694

TD = 8170'. CMT 2ND STAGE. PUMPED 265 SX 35/65 PozC + 6% D20 + 10% D44 + 1/4#/SX D29 + .2% D46. tAIL W/100 SX C + .3% D60 + .2% D46. DISPLACED W/ FRESH WATER. BUMPED PLUG, CLOSED DV TOOL, BLEED OFF & CHECK FOR FLOW BACK(NO FLOW). RIG DN DOWELL, ND BOP'S, SET SLIPS, NU 5 1/2" WELL HEAD FLANGE & TEST. RELEASE RIG 11:00 AM.

Date 2/28/94 Daily Cost \$27,400.00 Cost to Date \$551,694

CLEANED LOCATION, SET ANCHORS, FILLED CELLAR W/GRAVEL, & UNLOADED TBG. MIRU WSU - PICKED UP NCS, BIT & TBG. TAG CMT @ 5380' DRILL CMT & DV TOOL @ 5510'. TESTED CASING @ 1000#. TIH LIKED APPROX 1000' TO REACH PBTD. SDON.

Date 3/1/94 Daily Cost \$2,594.00 Cost to Date \$551,694

FINISHED TIH W/BIT. TAG CMT @ 7884'. DRILL CMT DN TO PBTD @ 8142'. CIRC HOLE W/2% KCL & POH, LAYDN DCS. RIG UP COMPUTALOG, RUN CET MINIMUM FOOTAGE & CBL TO TOP OF CMT. GOOD BOND. DV TOOL RECOVERED & 8 5/8" SHOE COVERED TOP OF CMT @ 3030'. RIG DN COMPUTALOG. SDON

Date 3/2/94 Daily Cost \$4,236.00 Cost to Date \$551,694

RIG UP COMPUTALOG, RUN IN HOLE WITH 4 1/2" SELECT FIRE CSG. GUNS. PERF. 1 SPF. 7878, 7879, 7883, 7884, 7963, 7964, 7967, 7972, 7976, 7981, 7982, 7991, 8002, 8003. (14 HOLES) POH WITH GUNS - RIG DOWN COMPUTALOG. PICK UP 5 JTS. TBG., 5 1/2" MODEL R PKR. & TIH EOT @ 8008', PKR. @ 7844'. RIG UP B.J. SERVICES, SPOT 3 BBLS. ACID ACROSS PERFS. PICK UP, REVERSE 3 BBLS. & SET PKR. @ 7645' WITH 236 JTS. IN EOT @ 7810'. PSI BACK SIDE 500#. RIG UP ON TBG., TEST LINES & SAFETY MEETING. BREAK DOWN PERFS. @ 2960#, 5.1 BPM @ 1390#. PUMP 6 BBLS. SHUT DOWN. ISIP 325#, VAC. IN 1 MIN. START ON ACID, PUMP 32 BBLS. 15% ANTI-SLUDGE. ACID, SPACING OUT BALL SEALERS EVERY 4 BBLS. (NO BALL OUT). RATE 5.1 BPM @ 3050# TO 2.8 BPM @ 4500# WITH 28 BALL SEALERS ON FORMATION. SURGE OFF BALL SEALERS, FINISH DISPLACEMENT WITH 2% KCL 4.9 BPM @ 1245# RIG DOWN B.J. SERVICES. RIG UP TO SWAB. BEGINNING FLUID LEVEL @ SURFACE. MAKE 13 SWAB RUNS, SWAB TBG. DRY. RECOVER 54 BBLS WATER, TRACE OF OIL. MAKE 1 HRLY. RUN, 100' ENTRY. SIDN

Date 3/3/94 Daily Cost \$72,554.00 Cost to Date \$551,694

TBG PSI 320#, FLUID LEVEL 3400' F/SURFACE. MADE 1 SWAB RUN 20% OIL. RELEASED PKR & POH. ND BOP & NU FRAC HEAD. MOVED IN & RIGGED UP BJ SERVICES, TESTED LINES & HELD SAFTY MEETING. FRAC AS PER RECOMMENDATIONS. 500 GALS PREPAD - 20 BPM @ 840#. 28,000' GALS PAD - 20 BPM @ 955#. 4000 GAL CARRYING 1.3 TO 3.3 #/GAL 16/30 OTTAWA SAND 157,570#. 5000 GALS CARRYING 3.3 TO 5.3 #/GAL 16/30 OTTAWA SAND 157,570#. 10,500 GALS CARRYING 5.3 TO 7.3 #/GAL 16/30 OTTAWA SAND 157,570#. 8000 GALS CARRYING 7.3 TO 7.9 #/GAL 16/30 OTTAWA SAND 157,570#. 3500 GALS CARRYING 7.9 TO 8.0 #/GAL 12/20 RESEN COAT SAND 84,490#. FLUSHED TO TOP PERF W/2% FW(184 BBLS). ISIP 740# FORCED CLOSURE IN 20 MINUTES @ 450#. AVG PSI 300#. MAX PSI 1050#. AVG RATE 20 BPM.

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Job Type: D&C

Field:

AFE #: 473

County: EDDY

WI: 46.08%

State: NM

NRI: 38.52% Amount: \$0.00

District: West

Date 3/4/94 Daily Cost \$9,812.00 Cost to Date \$551,694

OPEN WELL, ND FRAC FLANGE & NU BOP. PICKED UP NOTCHED COLLAR & TIH TAG FILL @ 7964'. RIG UP BJ NITROGEN CLEANED OUT FILL F/794'. TO PBTD @ 8242'. CIRC HOLE CLEAN & PUMPED 60 BBLS 2% FW DN TBG. RIG DN BJ & SWIVEL POH W/EOT @ 7512'. RIG UP HLS W/L & SWIVEL POH W/EOT @ 7512'. RIG UP HLS W/L & RAN AFTER FRAC SURVEY. SDON.

Date 3/5/94 Daily Cost \$3,551.00 Cost to Date \$551,694

POH W/NOTCHED COLLAR. PICKED UP BULL PLUG, 2 JTS, PERF SUB, SEAT NIPPLE, 10 JTS, TAC & TIH. TAG PBTD @ 8142'. LAY DN 2 JTS, NIPPLE DN BOP'S, SET TAC & LAND FLANGE. NU WELL HEAD. RIG UP TO SWAB. BEGINNING FLUID LEVEL 1000' F/SURFACE. MADE 9 RUNS ENDING FLUID 1300' F/SURFACE. RECOVERED 130 BBLS WATER & 5 BBLS OIL. FLOWING TO FRAC TANK W/100# TBG PSI.

Date 3/6/94 Daily Cost \$0.00 Cost to Date \$551,694

WELL DEAD - RECOVERED 123 BBLS OIL & 270 BBLS WATER. WILL RUN PUMP & PICK UP RODS TOMARROW(3/7/94).

Date 3/7/94 Daily Cost \$5,434.00 Cost to Date \$551,694

WELL DEAD. ND WELLHEAS. PICKED UP 2" X 2 1/2" X 25' TWO STAGE HOLLOW VALVE ROD PUMP W/1' F/SUB & 6' GAS ANCHOR. TIH PICKING UP RODS. 20 - 1" CLASS D RODS. 133 - 3/4" CLASS D RODS. SION TO ALLOW FANNIE LEE MITCHELL TO SET BASES & PUMPING UNIT.

Date 3/8/94 Daily Cost \$77,553.00 Cost to Date \$551,694

OPEN WELL - FINISHED PICKING UP RODS, SPACED OUT, HANG ON & BUILT WELL HEAD. TEURNED WELL TO PRODUCING. RD WSU. ROD COUNT F/BTM TO TOP: 1 - 2 1/2 X 25' TWO-STAGE HOLLOW ROD VALVE PUMP W/1' LIFT SUB W/6' GAS ANCHOR. 20 - 1" CLASS D RODS. 133 - 3/4" CLASS D RODS. 110 - 7/8 CLASS D RODS. 54 - 1" CLASS D RODS. 1 - 1" X 8' SUB. 2 - 1" X 8' SUB. 1 - 1 1/2" X 26' POLISH ROD W/1 1/2" X 1 3/4" X 16' LINER.

Date 3/9/94 Daily Cost Cost to Date \$551,694

TEST: 39 OIL, 1 H2O, -0- MCF.

Date 3/10/94 Daily Cost Cost to Date \$551,694

TEST: 159 OIL, 35 H2O, 64 MCF.

Date 3/11/94 Daily Cost Cost to Date \$551,694

TEST: 126 OIL, 107 H2O, 127 MCF.

Date 3/12/94 Daily Cost Cost to Date \$551,694

TEST: 208 OIL, 84 H2O, 125 MCF.

Date 3/13/94 Daily Cost Cost to Date \$551,694

TEST: 223 OIL, 146 H2O, 204 MCF. FRW