

# *McKay Oil Corporation*

ROY L. MCKAY, PRESIDENT

MAILING ADDRESS: P.O. BOX 2014 ROSWELL, N.M. 88202 • TELEPHONE 505/623-4735

STREET ADDRESS: ONE MCKAY PLACE ROSWELL, N.M. 88201 • FAX NO. 505/624-2202

WELL NAME: McKay Harvey Fed. #1  
PROSPECT:  
ID #  
LOCATION: 660' FSL & 660' FEL  
Sec. 17-9S-25E

PROPOSED TD:  
SPUD DATE:  
ELEVATION:  
COUNTY & STATE: Chaves, NM  
UNIT LETTER:

"CONFIDENTIAL"

2-6-90 TIH w/tbg & tools to blow mud out of hole. Running stage of 6 stands stage. After 1st stage called for booster pump. Cleaned hole to 3717'. SDON.

Daily Cost: \$3,914 Cumulative Cost: \$65,392

2-7-90 TIH to TD. Drilled 10" - Got stuck. Worked pipe till pipe came loose. Resumed drilling. SD to work on Compressor & Booster pump. Adjusted mist pump to pump 5 BPH. Resumed drilling. Drilling w/ high torquing. Making very little hole. Drilled total of 2.0'. Make-up of Kelly 115°. Corrected for make up. Drilled 2". TOH w/tbg to check bit. Bit was out of gauge. SDON.

Daily Cost: \$3,914 Cumulative Cost: \$69,306

2-8-90 TIH w/survey tool. Survey tool would not go to bottom, 2' off. Bottom @ 3748.5'. 1st shot did not come out. TIH to re-run survey. Camera depth of survey @ 3744', inclination 15°, Azimuth S-27° E. SD to get cross over SUB made from Kelly to drill pipe. SD.

Daily Cost: \$832 Cumulative Cost: \$70,138

2-9-90 SD. Released BOP & Swivel.

2-10-90 Wind blowing to hard to run tubing. SD.

2-11-90 SD

2-12-90 TIH w/ 2 3/8" Drill pipe. LD drill pipe. TIH w/2 3/8" tbg. to test well. SDON.

Daily cost: \$1,552 Cumulative Cost: \$71,690

2-13-90 Flanged up well head. Tied flow line in. Purged line. Put on Production to test. RD PU.

Daily cost: \$485 Cumulative cost: \$72,175

RECEIVED

MAR 14 '90

O. C. D.  
ARTESIA, OFFICE

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1-29-90 Experimented with tool to try & lap curser ring in. TOH w/tbg. to prepare to run Gyro - Survey in the a.m. Checked drift on drill pipe. TIH w/pipe to run 1 13/16 change of to check clearance for survey tool. Survey tool 1 3/4" did go in pipe. SDON. Will run Gyro-Survey in the a.m.

Daily Cost: \$3,976 Cumulative Cost \$44,119

1-30-90 SD Due to bent rod in engine on PU.

1-31-90 SD for repairs

2-01-90 SD for repairs

2-2-90 VPBTD - 3729'. Cancelled running Gyro-Survey due to tbg I.D. being to small. TIH w/5 stands to check make-up of tbg. Tbg. made up good. TOH to PU angle building assembly. TIH to 3731'. Tagged up @ 3729' Drilled 2' soft fill. Kick-off point @ 3731' Drilled 5'8" of curvature. Circulated hole. SDON.

Daily Cost: \$4,514 Cumulative Cost: \$48,633

2-3-90 Tie back drilling line to 1 line. Measure Kelly. Test tool for pressure indications. Good signals. Drilled 5' of curve. TVD - 3739'. Circulated hole clean for 1 hour. TIH to check for fill. No fill. TOH w/tbg. & ABA. RU to run survey tool on Sandline. Survey read inclination- 3739' 16.5°, Azimuth South 78° E. SDON

Daily Cost: \$4,611 Cumulative Cost: \$53,244

2-4-90 Tried to run surveys. Survey tool not working. TIH. Began drilling @ 3742'. Drilled 4.5'. Lost circulation. Getting silty shale & some small sand content in samples taken. Estimated TVD = 3745'. SDON.

Daily Cost: \$4,514 Cumulative Cost: \$57,758

2-5-90 TOH. RU to run surveys. Ran 2 surveys - #1 = 3744', 16° - S-31° E, #2 = 3740', 16°/S-59° E. Horizontal depth from vertical hole is approx. .6'. Called fro air compressor & mist pump. RU compressor laid line from water tank to mist pump. Ran 27 stands in hole w/ABA to unload fluid out of hole. SDON.

Daily Cost: \$3,720 Cumulative Cost: \$61,478

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1-17-90 WO Drilling Equipment. VPBTD - 3729'

1-18-90 WODE

to  
1-23-90 WODE. Talley & TIH w/2 3/8" Drill Pipe. TOH w/drill pipe. RU BOP  
Tagged up @ 3728'. SDON.

Daily Cost: \$776.00 Cumulative Cost: \$23,045

1-24-90 TIH w/Pilot Hole Assembly & Drill Pipe. Elevators broke, ordered rental  
elevators from Star Tool. RU Power Unit & Drilling Head. PU Swivel &  
Kelly. Swivel was bad, would not rotate properly. RD Kelly & Swivel.  
Ordered Swiver from Star Tool. Ordered Float Sub. Did not drill any  
new hole. SDON.

Daily Cost: \$5,251 Cumulative Cost: \$28,296

1-25-90 Changed out Swivel. Drilled 2' of Pilot Hole. TOH. RU survey tool  
on Sandline to mark bottom on line, lost survey tool in hole. PU  
Star Tool Overshot to run on sandline. Retrieve survey tool. Ran  
3 3/4" magnet to retrieve 1/2" bolt. Replaced wash pipe on drilling  
head. SDON.

Daily Cost: \$5,269 Cumulative Cost: \$33,565

1-26-90 TIH w/1 Stand Pipe, Wiggle Pipe & Ko Tool to test psi drop on tool.  
Could not get a good signal. TOH. Worked w/razorback. TIH to test  
signal. Could not get good signal. TOH to re-build razorback. Laid  
down wiggle pipe & Angle Building Assembly (ABA) to surface test. ABA  
was locking up under pressure. Broke ABA apart to have sleeve machined  
out. SDON.

Daily Cost: \$2,117 Cumulative Cost: \$35,682

1-27-90 Re-Build ABA to surface test. ABA working fairly good. TIH to 3720'  
to test signal. Signal drop of 20# @ low rate. Not a good signal @  
200#. SDON.

Daily Cost: \$4,461 Cumulative Cost: \$40,143

1-28-90 SD Daily Cost: 0 Cumulative Cost: \$40,143

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01-07-90 TOH w/tbg. Lay down milling tool. Release Wilson Down Hole. Fluid level @ surface. TIH w/tbg open ended to tag CIBP to check tbg. make up. TBG made up 2' during milling. Calculated window size 16' 3724' - 3740' Pulled up 35'. SDON.

Daily Cost: \$388.00 Cumulative Cost: \$15,264

01-08-90 RU Western to circulate hole clean. TIH w/swab, fluid level @ 200' Circulated hole spot, 10 sxs. Class "H" w/2% CaCl. Pull 600' tbg. WOC 72 hrs.

Daily Cost: \$1,456 Cumulative Cost: \$16,332

01-09-90 WOC

01-10-90 WOC

01-11-90 TIH to tag cement plug & drill out cement. Tag cement @ 3698'. RU Star Tool, drill out cement. Drilled to 3725' Ru Schlumberger to run GR-Correlation log to check depth. Tie showed tbg tally to be 1' long. Depth @ 3724'. Drill out 5' to check cement. Drilling soft cement. Drilled to 3740'. TOH w/tbg. TIH w/tbg. open ended to re-cement to 3720'. SDON.

Daily Cost: \$1,379 Cumulative Cost: \$17,711

01-12-90 TIH to 3720'. TIH w/swab to check fluid level. Fluid @ 190'. RU Halliburton to set 20 sxs. Class "H" w/2% CaCl cement. TOH w/tbg. TIH w/Bit & drill collars to 3100'. SDON WOC 72 hrs.

Daily Cost: \$2,200 Cumulative Cost: \$19,911

01-13-90 WOC

01-14-90 WOC

01-15-90 TIH to tag plug & drill out cement. Cement top @ 3742'. LD 8 jts. to begin drilling cement. 60' of soft cement. Good hard cement to 3729'. Pulled tbg. out above window. SDON.

Daily Cost: \$1,873 Cumulative Cost: \$21,784

01-16-90 TOH w/tbg & collars, LD tbg. Released PU & Star Tool.

Daily Cost: \$485 Cumulative Cost: \$22,269

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12-30-89      Open well to blow down. Call T&C tank to set 3 anchors. RU PU  
TOH w/tbg. RU Schlumberger to set CIBP. #1 CIBP set @ 3850'.  
  
Daily Cost:    \$2,818.00      Cumulative Cost:    \$2,818.00

12-31-89  
thru  
01--2-90      Shut down for holidays

01-03-90      Too windy to run pipe.

01-04-90      TIH w/Wilson Downhole 3 3/5" section mill, 6 drill collars & tbg. to  
3720'. RU Schlumberger to run GR-Correlation Log to check depth.  
Depth was correct @ 3720'. Ran 10' tbg sub as marker 1 stand above  
collars. Mixed 60 sxs. salt water gel., Vis. 43. Loaded hole PSI  
tested casing to 800#. Held good. Begin to cut out of casing.  
Getting heavy metal returns. No cement. Estimate mill blades have  
not cut out of casing. SDON  
  
Daily Cost:    \$4,539.65 (Est.)      Cumulative Cost:    \$7,357.65

01-05-90      Resumed milling casing 7:00 a.m. Viscosity 43, Mix 15 sxs. salt water  
gel to raise viscosity. Viscosity 82. Still no cement returns. Getting  
heavy returns. Made 3½' tool clear casing brought up birds nest of  
metal, getting cement returns. Milled 1'. Hole plugging up made  
last 6" in 40 min. Circulated hole 30 min. TOH to install 7/16"  
orifice in sectioning tool to increase volume capacity. Checked  
blades for wear. Blades show good wear. TIH. Resumed milling.  
Viscosity 82. Getting returns of heavy metal, light cement & shale.  
Milled a total of 10'. Blades are skinning inside of pipe. Cir-  
culated hole 30 min. Will TOH to change blades in the a.m. SDON.  
  
Daily Cost:    \$5,055.00      Cumulative Cost:    \$12,412.00

01-06-90      TOH to check tool. Blades were wore down. Replaced blades. TIH to  
3734' to resume milling. Viscosity 87. Tagged up at same depth, 3724'.  
Resumed milling 10:00 a.m. Getting returns of metal & cement. 1:00 p.m.  
made 4'. Returns of fine to heavy metal, very little cement. Viscosity  
78, no fluid loss. 4 p.m. made 2½', viscosity 65, no fluid loss. Depth  
@ 3740½'. 5:15 depth @ 3741½'. Circulated hole 30 min. Pull up out of  
window. No fluid loss. SDON.  
  
Daily Cost:    \$2,464      Cumulative Cost:    \$14,876