



00275210

DRILLING WELL PROGNOSIS

RECEIVED

JUL 7 1970

WELL NAME

Federal-Equity 32-32

WELL TYPE

PDET

FIELD/AREA

Blue Gravel

COLO. OIL & GAS CONS. COMM.

APPROX. LOCATION (SUBJECT TO SURVEY) SW NE Section 32-T9N-R90W, Moffat County, Colorado

EST. G. L. ELEVATION 6550' PROJECTED TD 4100' OBJECTIVE Lewis Sand (gas)

HOLE SIZE	CASING PROGRAM	LOGGING PROGRAMS	MAX DEV.	DEPTHS AND FORMATION TOPS	SPECIAL INSTRUCTIONS
12 1/4"	8 5/8"		1°	Sfc Csg to 400'	<p>SAMPLES: 30 ft. from sfc csg to 3,000' 10 ft. 3,000' to TD</p> <p>CORES: Two suites of sidewall</p> <p>DST'S: Three in Lewis Sand</p> <p>DEVIATION CONTROL Dogleg severity less than 1 1/2°/100'</p> <p>CEMENT Sfc Csg. - Circulate Class "G" Neat with 3% CaCl₂ (salt) Production string - see casing design</p> <p>MUD <u>Native</u></p>
7 7/8"	5 1/2"	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">DILL</div> <div style="text-align: center;">BHC/AC/Cal</div> <div style="text-align: center;">FDC/Cal</div> <div style="text-align: center;">One-Man Logging Unit</div> </div>	2°/ 1,000'	<p>Tertiary Sfc (+6550)</p> <p>Lewis Sand 3210 (+3340)</p> <p>Lewis Shale 3940 (+2610)</p> <p>TD 4100'</p>	

ORIGINATOR

LAP

DATE 4/13/70

ENGINEERING APPROVAL:

L.E.S.

EXPLOITATION

J.C. Howell 4/14/70

OPERATIONS APPROVAL:

J.M. YORP

NEW WELL PLUGGED AND ABANDONED

SHELL OIL COMPANY

FROM 7-24 to 8-3-70

LEASE GOVERNMENT

DIVISION ROCKY MOUNTAIN PRODUCTION

COUNTY MOFFAT

BLUE GRAVEL AREA

WELL NO. 32-32

ELEV: 6504

STATE COLORADO

RECEIVED

AUG 10 1970

COLORADO

COLO. OIL & GAS CONS. COMM.

BLUE GRAVEL AREA

Shell-Equity-
Federal 32-32
(PDET) Barker
4100' Lewis Sand Test

"FR" MIRT.

Located 1980' FNL & 1980" FEL Section 32-T9N-R90W, Moffat
County, Colorado.

Elev: 6490 GL

4100' Lewis Sand Test

Shell working Interest - 50%

Drilling Contractor - Barker Drilling Company

PDET is designed to evaluate production in ^{potential} stratigraphic trap
in Lewis sand. Location is five miles north of Lewis gas
production in North Craig Field. JUL 23 1970

MIRT. JUL 24 1970

Shell-Equity-
Federal 32-32
(PDET) Barker
4100' Lewis Sand Test

Shell-Equity
Gov't 32-32
(PDET) Barker
4100' Lewis Sand Test

2212/6/2/2212. Drilling. Dev 0.5° @ 395' and 0.5° @ 1574.
Spudded 11:00 p.m. 7/24/70. Drilled 395' 12¼" hole. Ran
395' 8 5/8" J-55, ST&C csg. Cmt'd w/220 sx neat cmt, 3% CaCl₂.
Cmt in place 3:45 p.m. 7/25/70. Good cmt returns. Nipped
up w/7 7/8" bit. JUL 27 1970

Mud: Native.

Shell-Equity-
Gov't 32-32
(PDET) Barker
4100' Lewis Sand Test

3212/7/3/1000. Tripping. Mudded up at 2600'.
Mud: 9.3 x 36 x 11.6 (sal 500) (Oil 0%) (LCM 0)
(plastic vis 10) (yield point 4). JUL 28 1970

Shell-Equity
Gov't 32-32
(PDET) Barker
4100' Lewis Sand Test

3728/7/4/516. Drilling. Dev ½° @ 3585.
Tight hole on trips from 2400 to 2460.
Mud: 9.2 x 40 x 9.2 (sal 500) (LCM 0) (Oil 0) (plastic vis 11)
(yield point 4). JUL 29 1970

Shell-Equity
Gov't 32-32
(PDET) Barker
4100' Lewis Sand
Test

4100/7/5/372. Prep to log.
On short trip came 270' from bottom. Came out for logs
okay.
Mud: 9.2 x 56 x 7.2 (sal 500) (LCM 0) (Oil 0) (plastic vis 23)
(yield point 15). JUL 30 1970

Shell-Equity
Gov't 32-32
(PDET) Barker
4100' Lewis Sand
Test

TD 4100. Laying down drill pipe.
Ran logs as follows: DIL/SP FDC/GR w/cal, BHCS/GR w/cal.
Laid down 18 drill collars. Set three cmt plugs as follows:
(1) 25 sx @ 3095, est top @ 3015; (2) 25 sx @ 2815, est top
@ 2735; (3) 25 sx @ 380, est top @ 302. Cmt in place @ 5:45 a.m.
7/31/70. JUL 31 1970

RECEIVED

AUG 10 1970

COLO. OIL & GAS CONS. COMM.

CASING AND CEMENTING

Area: Blue Gravel

Well: Gov't 32-32

KB to CHF: 13.7

Ran 12 joints 8 5/8", Smls, 8rd casing to 395.48'.

<u>Jts.</u>	<u>Wt.</u>	<u>Grade</u>	<u>ST&C</u> <u>LT&C</u>	<u>Old</u> <u>New</u>	<u>Feet</u>	<u>From</u>	<u>To</u>
		Guide Shoe			1.10	394.38	395.48
1	32	J-55	ST&C	New	27.37	367.01	394.38
		Float Collar			1.80	365.21	367.01
1	32	J-55	ST&C	New	27.60	337.61	365.21
10	24	J-55	ST&C	New	323.91	13.70	337.61

12 jts Total

No. Make & Type:

3 - Larkin centralizer spaced @ 390', 350', and 308'.

Cementing:

Cemented through shoe at 395.48' with 220 sacks 1:1 poz cement, 3% CaCl₂. Wt 15.7 - 16#/gal. Mixing complete in 10 min. Plug down 3:45 p.m. 7/25/70. Good returns throughout.

Shell-Equity
Gov't 32-32
(PDET) Barker
4100' Lewis Sand
Test

TD 4100. WELL PLUGGED AND ABANDONED.

Finished laying down drill pipe. Removed blow out
preventor. Cmt'd dry hole marker in well w/5 sx cmt.

Released rig 11:00 a.m. 7/31/70. **AUG 3 1970**

Elev: *6504 KB*

Log Tops:

Top Lewis 3070 (+3434)

233' high to Stauffer Chem Co.

Well found primary objective Lewis Sand shaled out. Lewis
Sand apparently developed between this well and down dip
Stauffer Chemical Co. Federal 1-25 located 2½ miles NW.

FINAL REPORT.