FILE NOTATIONS

Entered in NID File	✓	Checked by Chief	PWB
Location Map Pinned	✓	Approval Letter	2-23-72
Card Indexed	✓	Disapproval Letter	

COMPLETION DATA:

Date Well Completed 5-17-72 Location Inspected .....

W..... WW..... TA..... ✓ Bond released

GW..... OS..... PA..... State or Fee Land .....

LOGS FILED

Driller's Log..... ✓

Electric Logs (No.) ..... ✓

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

Form 9-331 C
(May 1963)

SUBMIT IN T! ICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: CHORNEY OIL COMPANY

3. ADDRESS OF OPERATOR: P. O. Box 144, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: NE NE Sec. 5, T15S, R23E, SLM (605' FNL & 660' FEL) Uintah County, Utah
At proposed prod. zone: Same

C NENE

5. LEASE DESIGNATION AND SERIAL NO.: U-9211

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Federal

9. WELL NO.: SE Flank Uinta #1-5

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T15S, R23E

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 55 miles south of Ouray, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): --

16. NO. OF ACRES IN LEASE: --

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: --

19. PROPOSED DEPTH: 9500'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 7426' GR

22. APPROX. DATE WORK WILL START*: 3-10-72

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13-3/8"	54.5	500'	500 sx ±
8-3/4"	5-1/2"	15.5# & 17#	9500'	500 sx

Operator proposes to drill a 9500' test into the Entrada formation. All significant oil and gas shows will be drillstem tested or otherwise evaluated using electric logs and/or geological data. If economic production is encountered, a properly designed string of 5-1/2" casing will be run and cemented.

Adequate doublegate and Hydril BOPE will be installed and in operation from under surface casing. The BOPE will be of the 900 series type. will be checked daily for mechanical operation, and will be pressure tested to a minimum of 1000 psig for 30 minutes prior to drilling out.

Operator will mud up from under surface casing and will maintain mud weight adequate to control all formation pressures.

LOCATION PLAT IS ATTACHED.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED: A C Foust — A. C. Foust TITLE: Chief Engineer DATE: 2-18-72

(This space for Federal or State office use)

PERMIT NO. 43-047-30121 APPROVAL DATE

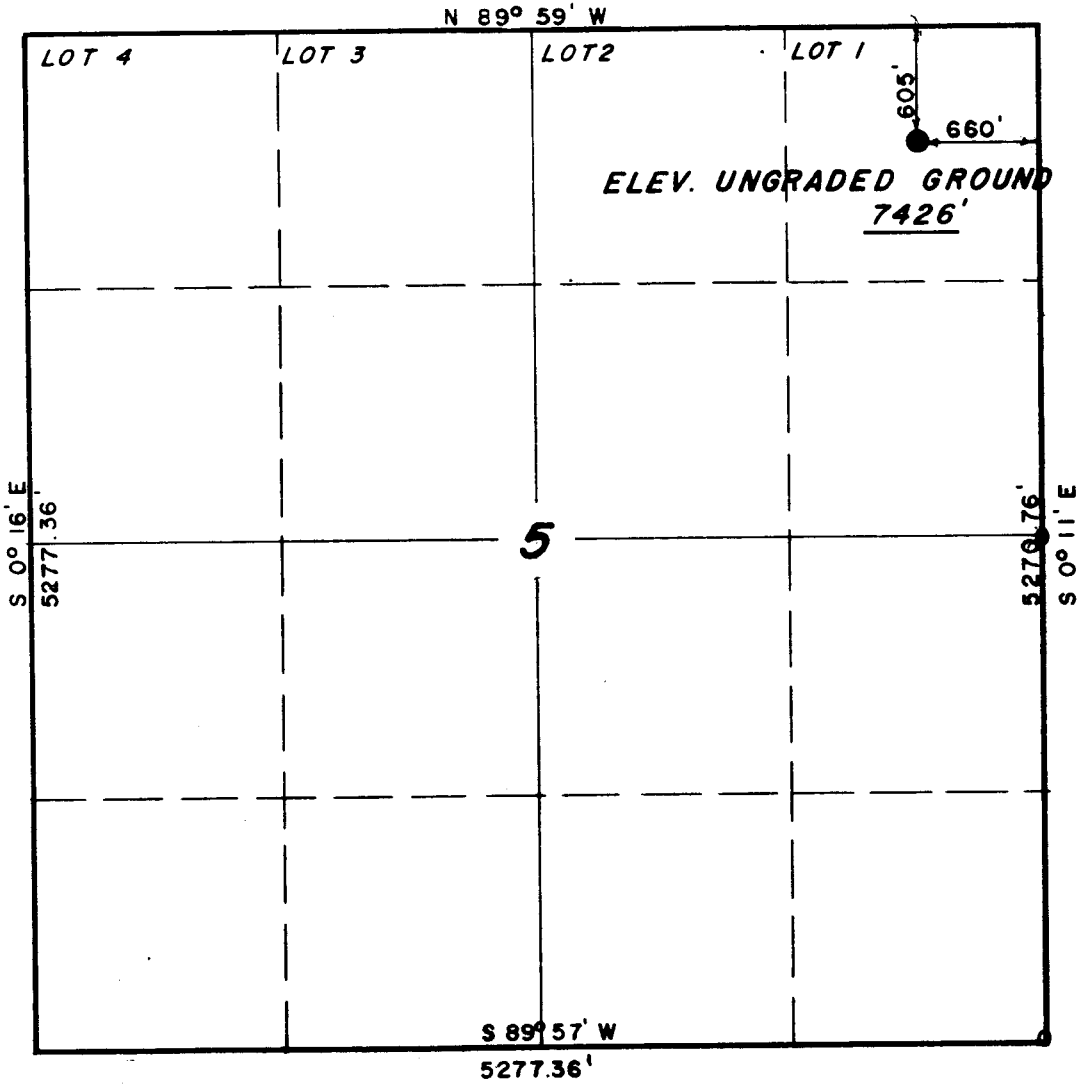
APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah Division of Oil & Gas Conservation
Pacific Gas Transmission Company
Mono Power Company

*See Instructions On Reverse Side

T15S, R23E, S.L.B.&M.



SECTION CORNERS LOCATED (BRASS CAPS)

PROJECT

CHORNEY OIL COMPANY

Well location located as shown in Lot 1 (NE 1/4 NE 1/4) Section 5 T15S, R23E, S.L.B.&M. Uintah County, Utah.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Gene Stewart

REGISTERED LAND SURVEYOR
REGISTRATION № 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 'Q' – 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 10 SEPT., 1971
PARTY G. S. T. H.	REFERENCES GLO PLAT
WEATHER HOT	FILE CHORNEY OIL CO.

February 23, 1972

Chorney Oil Company
Box 144
Casper, Wyoming 82601

Re: Well No. SE Flank Uinta Fed. 1-5
Sec. 5, T. 15 S, R. 23 E,
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-047-30121.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
cc: U.S. Geological Survey

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

February 28, 1972

Mr. A. G. Foust
Chorney Oil Company
P. O. Box 144
Casper, Wyoming 82601

Re: Well No. 1-5 SE Flank Uinta
NE¼NE¼ (Lot 1) sec. 5-15S-23E, SLM
Uintah County, Utah
Lease U 9211

Dear Mr. Foust:

Enclosed is your copy of the application for Permit to Drill the referenced well which was approved by this office on February 25, 1972.

Our records show Pacific Gas Transmission Company and Mono Power Company own 37.5 percent each of the lease record title. Please supply this office with Designations of Operator in favor of Chorney Oil Company by each of these companies for at least Lot 1 (NE¼NE¼) sec. 5. We prefer that the designations be in this office prior to the commencement of drilling operations.

Sincerely yours,

(ORIG. SGD.) G. R. DANIELS

Gerald R. Daniels,
District Engineer

cc: Casper
State Div. Oil & Gas ✓
File

43-047-30121

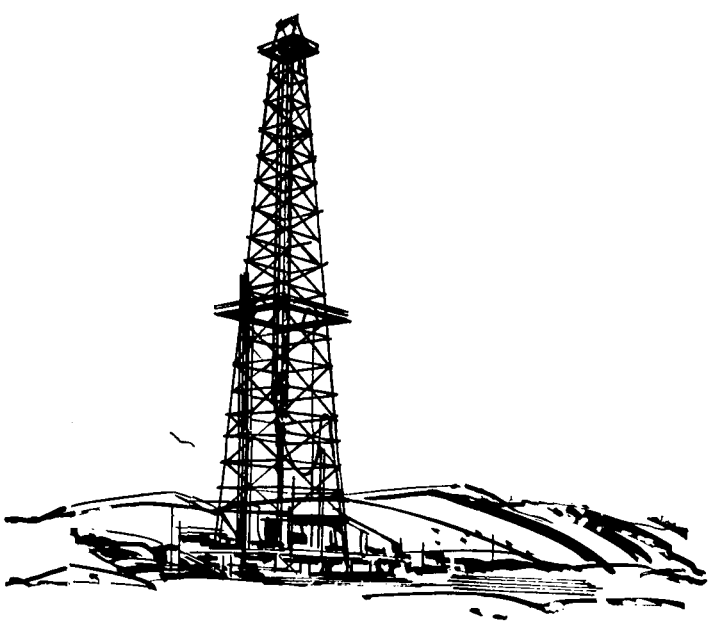
CHORNEY OIL COMPANY
SE FLANK UINTA FED. 1-5
5-15S-23E Uintah

WWW TECHNICAL REPORTS

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable Sealing Element Packers



Formation Testing Service Report

CHORNEY OIL COMPANY
COMPANY

S. E. FLANK - UINTAH 1-5
LEASE AND WELL NO.

1

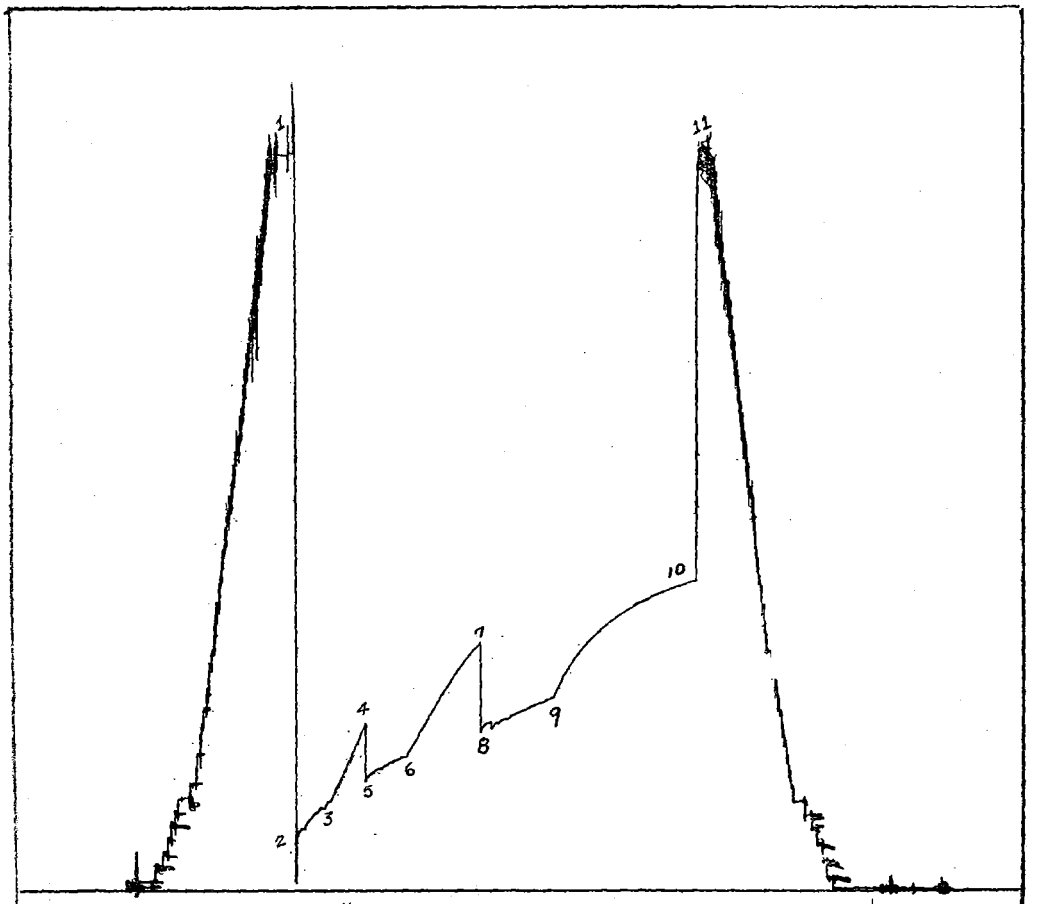
4701' to 4716'

May 20, 1972

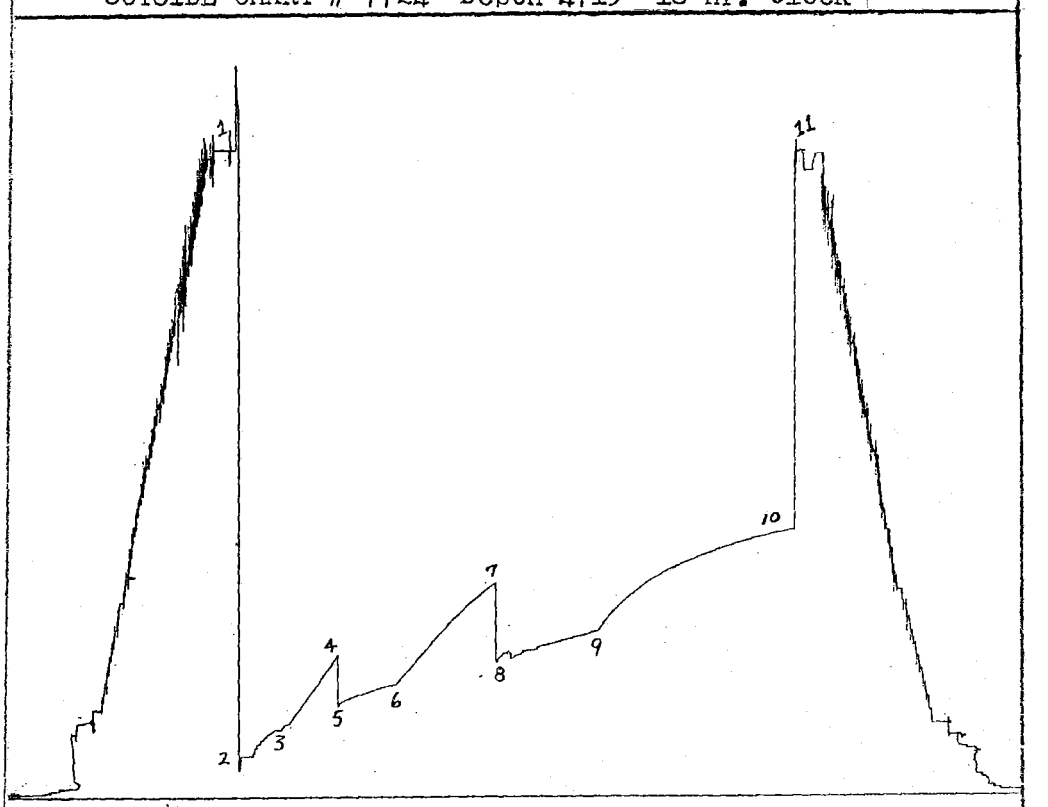
61-609

CHORNEY OIL COMPANY
NE NE 5 15S 23E
Test # 1

S. E. FLANK - UINTAH 1-5
Uintah County, Utah
Job No. 61-609



OUTSIDE CHART # 7724 Depth 4715' 18 hr. Clock



INSIDE CHART # 7097 Depth 4710' 18 hr. Clock

LYNES

DRILL STEM TEST SERVICE REPORT

Field Wildcat Formation not available
Location NE NE 5 15S 23E
County Uintah State Utah
Division Rocky Mtn. District Casper
Address Box 144, Casper, Wyoming 82601

Job No. 61-609 Test No. 1 Customer Test No. 1
Net Feet of Pay NA Elevation 7437' KB; 7426' GL
Test Interval 4701' To 4716' T.D. 4716'
Type Test Conventional
Customer's Representative Birl Lynch
Lynes' Representative James Holmes

No. Reports To: See attached distribution list

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: S. E. FLANK - UINTAH 1-5
TEST NO.: 1
DEPTH: 4701' to 4716'
DATE OF TEST: May 20, 1972
61-609

TESTING TIME

Started in hole at 5-20-72
Initial flow 15 Mins. Initial shut-in 30 Mins.
Second flow 33 Mins. Second shut-in 60 Mins.
Third flow 60 Mins. Third shut-in 120 Mins.

TEST DESCRIPTION	TIME
Opened tool for Initial First Flow	
Closed tool for First Shut-In	
Re-opened tool for Second Flow	
Closed tool for Second Shut-In	
Opened for Third Flow	
Closed for Third Shut-In	
Unset	

MUD AND HOLE DATA

Mud Type	Gel.-Chem.	Top Packer OD	6-1/2"
Weight	9.05 #	Bot Packer OD	6-1/2"
Viscosity	33 sec	Bot Hole Choke Size	15/16"
Water Loss	8 cc	Bot Hole Temp.	132°F
Filter Cake	2/32"	Caliper Hole Size	NA
Hole Size	7-7/8"	Rat Hole Size	---
Casing Size	13-3/8"	Set At	512'
Drill Pipe Size	4½" O.D.	Weight	16.60 # I.D. 3.826
Drill Collar Size	6-1/4" OD	Feet Run	I.D.
Cushion	--	Amount	--- Feet ---

REMARKS

BLOW: INITIAL FLOW: opened with a weak blow.

2nd FLOW: opened with a weak blow

3rd Flow: (see at right)

SAMPLER RECOVERY:
2500 cc Gas-cut Drilling mud. No pressure. Res. 2.7 ohm @ 74°F
Chlor. 1050 PPM

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT
	1/4"	1/2-1"	Air
2nd Flow	Bubble		
	Hose	1/2-1"	"
	"	2"	"
	"	4"	"
	"	6"	"
Final Flow	"	1"	"
	"	2"	"
	"	3"	"
	"	4"	"
	"	5"	"
	"	6"	"

RECOVERY Test was not reversed out
1400 Ft. of Drilling Mud--last 90' slightly
Ft. of gas-cut.
Ft. of
Ft. of
Ft. of

Pit Res. 2.5 Ohm @ 70°F Resistivity 2.7 Ohm @ 74°F
Pit Chlorides 1000 PPM Test Chlorides 1050 PPM

PRESSURE READINGS

OFFICE CORRECTED

DESCRIPTION	Inside # 7097 Cap. 4000# Hrs. 18 Depth 4710'		Outside # 7724 Cap. 2550 Hrs. 18 Depth 4715'		Cap. Hrs. Depth		Cap. Hrs. Depth	
1. Initial Hydrostatic	2207	p.s.i.	2191	p.s.i.		p.s.i.		p.s.i.
2. Initial First Flow	79	p.s.i.	142	p.s.i.		p.s.i.		p.s.i.
3. Final First Flow	220	p.s.i.	213	p.s.i.		p.s.i.		p.s.i.
4. First Shut-In	467	p.s.i.	470	p.s.i.		p.s.i.		p.s.i.
5. Second Initial Flow	298	p.s.i.	306	p.s.i.		p.s.i.		p.s.i.
6. Second Final Flow	369	p.s.i.	371	p.s.i.		p.s.i.		p.s.i.
7. Second Shut-In	714	p.s.i.	713	p.s.i.		p.s.i.		p.s.i.
8. Third Initial Flow	444	p.s.i.	446	p.s.i.		p.s.i.		p.s.i.
9. Third Final Flow	550	p.s.i.	552	p.s.i.		p.s.i.		p.s.i.
10. Third Shut-In	902	p.s.i.	908	p.s.i.		p.s.i.		p.s.i.
11. Final Hydrostatic	2207	p.s.i.	2190	p.s.i.		p.s.i.		p.s.i.

PRESSURE BUILD UP — INCREMENTAL READING DATA

COMPANY CHORN OIL COMPANY
WELL NAME & NO S. E. FLANK - UINTAH # 1-5
LOCATION NE NE 5 15S 23E Uintah County, Utah
D.S.T. NO. 1 INTERVAL TESTED 4701' to 4716' FORMATION Not Available

RECORDER NO. 7097 DEPTH 4710' CLOCK 18 Hrs. JOB NO. 61-609

First Flow Period		Initial Shut In Pressure			Second Flow Period		Second Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	79	.000		220	.000	298	.000		369
.014	79	.013		220	.012	315	.020		410
.028	139	.026		238	.024	323	.040		449
.042	179	.039		259	.036	333	.060		484
.056	198	.052		285	.048	334	.080		522
.073	220	.065		315	.060	344	.100		558
		.078		344	.072	349	.120		598
		.091		372	.084	356	.140		628
		.104		407	.096	364	.160		659
		.117		433	.108	367	.180		688
		.130		467	.120	369	.204		714

THIRD FLOW Period		THIRD Shut In Pressure			Flow Period		Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	444	.000		550					
.021	470	.040		636					
.042	474	.080		696					
.063	482	.120		741					
.084	490	.160		776					
.105	502	.200		804					
.126	513	.240		829					
.147	525	.280		851					
.168	533	.320		869					
.189	542	.360		887					
.212	550	.403		902					

SPECIAL PRESSURE DATA

PRE^URE BUILD UP — INCREMENTAL REA G DATA

COMPANY CHORNEY OIL COMPANY
WELL NAME & NO. S. E. FLANK - UINTAH #1 - 5
LOCATION NE NE 5 15S 23E Uintah County, Utah
D.S.T. NO. 1 INTERVAL TESTED 4701 to 4716 FORMATION Not Available

RECORDER NO. 7724 DEPTH 4715' CLOCK 18 Hrs. JOB NO. 61-609

First Flow Period		Initial Shut In Pressure			Second Flow Period		Second Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	142	.000		213	.000	306	.000		371
.014	160	.012		238	.012	319	.020		417
.028	174	.024		255	.024	328	.040		454
.042	192	.036		283	.036	336	.060		489
.056	208	.048		309	.048	341	.080		527
.067	213	.060		336	.060	346	.100		564
		.072		365	.072	356	.120		597
		.084		393	.084	362	.140		628
		.096		427	.096	368	.160		659
		.115		470	.108	371	.180		688
					.116	371	.204		713

FLOW Period		Shut In Pressure			THIRD Flow Period		THIRD Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
					.000	446	.000		552
					.021	475	.040		640
					.042	476	.080		702
					.063	485	.120		748
					.084	494	.160		785
					.105	505	.200		813
					.126	515	.240		839
					.147	525	.280		860
					.168	535	.320		880
					.189	545	.360		894
					.206	552	.398		908

SPECIAL PRESSURE DATA

DISTRIBUTION LIST

CHORNEY OIL COMPANY
NE NE 5 15S 23E
Test # 1

S. E. FLANK - UINTAH 1-5
Uintah County, Utah
Job No. 61-609

3 ea CHORNEY OIL COMPANY
P. O. Box 144
Casper, Wyoming 82601
Attn: Sam Boltz
Gene O'Brien
L. "Buck" Stanley

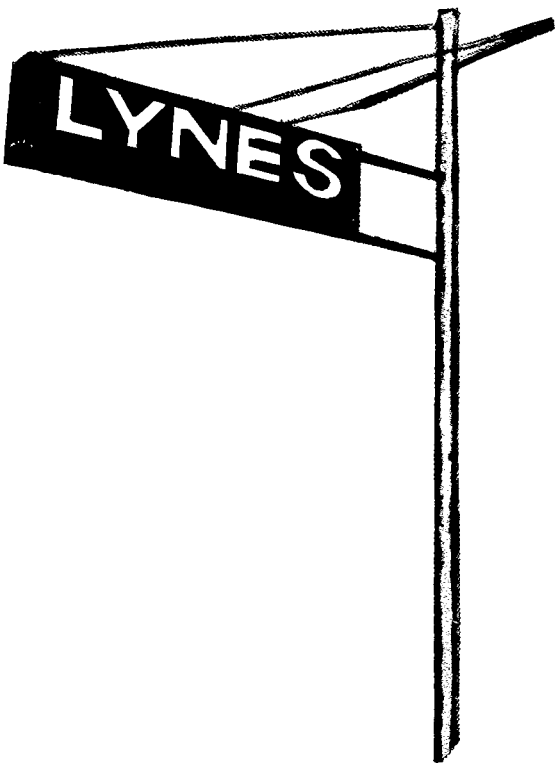
2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105
Attn: Charles Pennypacker Smith
Jerry Kunz

2 ea MONO POWER COMPANY
P. O. Box 800
Rosemaid, California 91770
Attn: Bernard J. Perry
Harvey Coontz

2 ea UNION OIL COMPANY OF CALIFORNIA
P. O. Box 3372
Durango, Colorado 81301
Attn: Clarence Harr

1 ea U. S. G. S.
8416 Federal Building
Salt Lake City, Utah 84111
Attn: Jerry Daniels, Dist. Eng.

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116
Attn: Stanley M. Edwards
Cleon B. Feight, Director

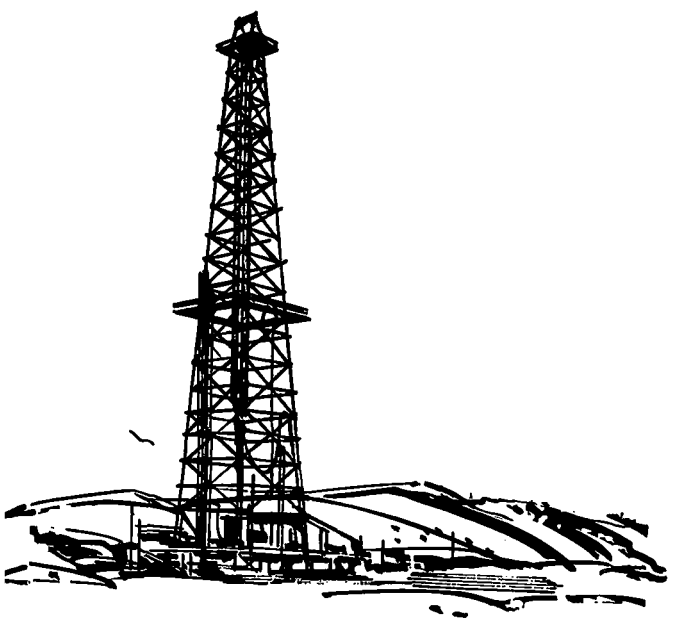


HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable Sealing Element Packers

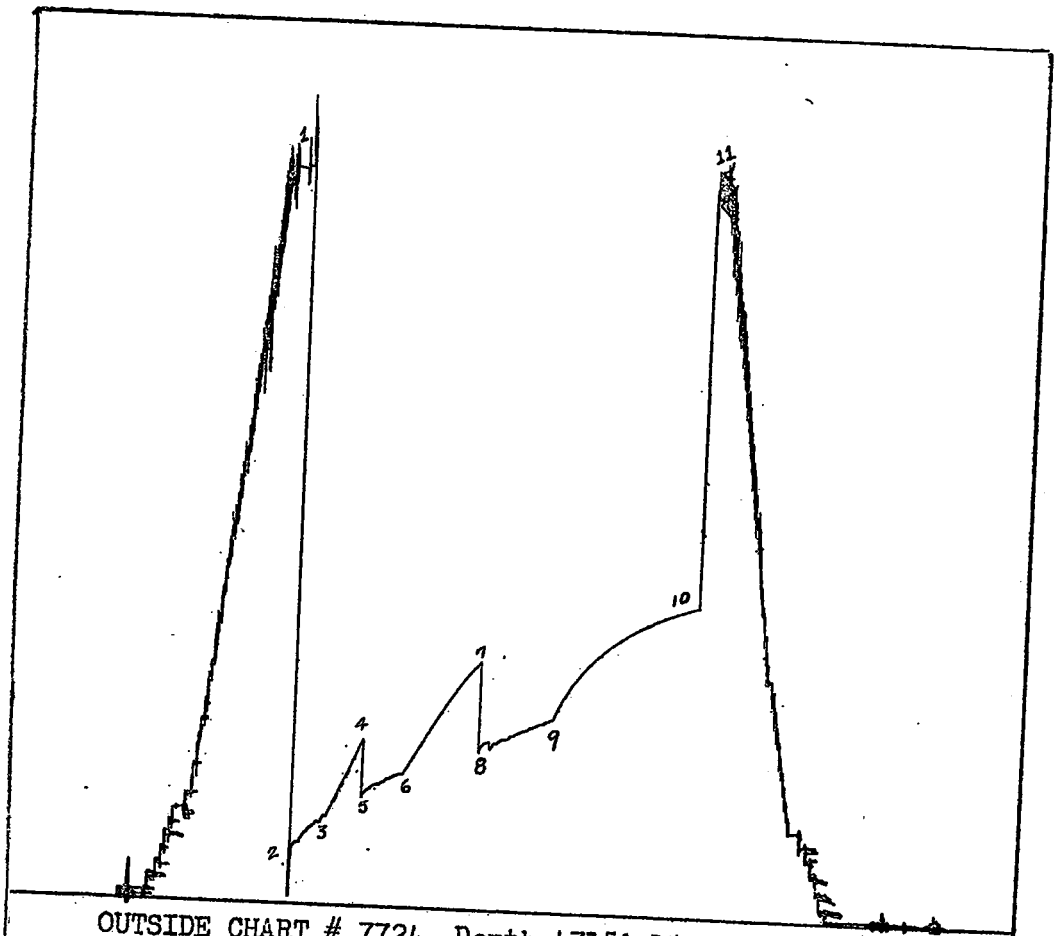


Formation Testing Service Report

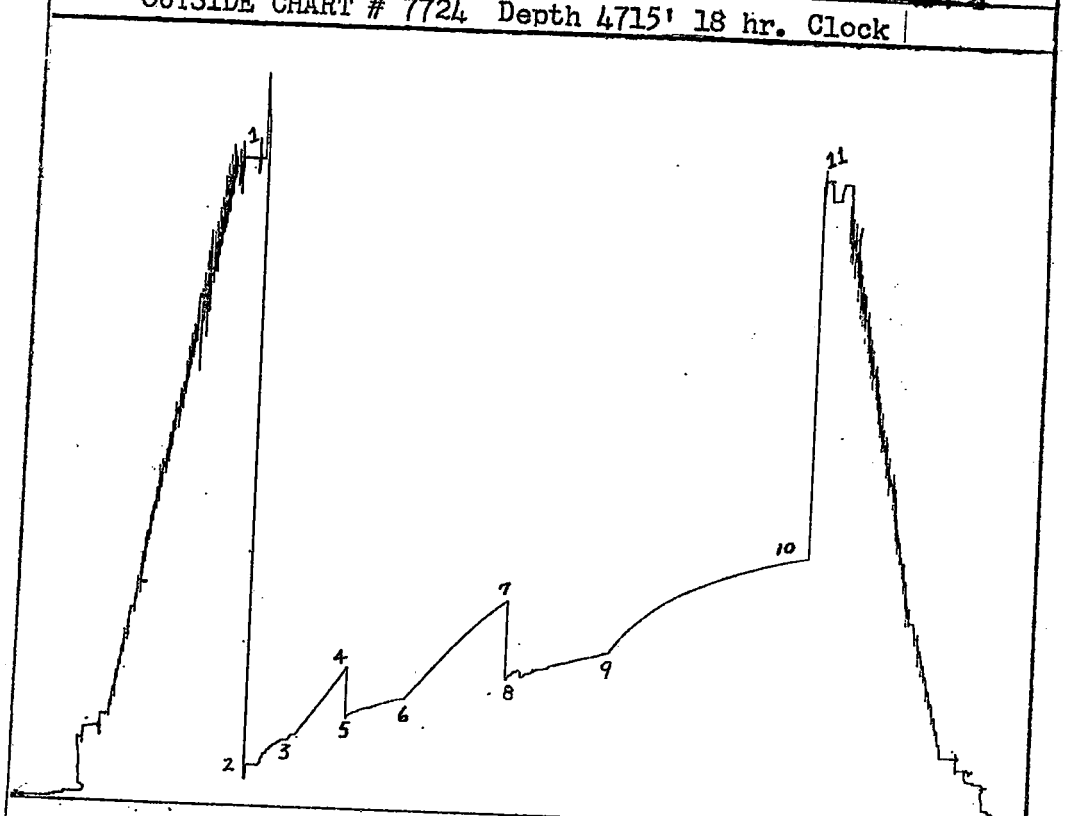
COMPANY	LEASE AND WELL NO.	TEST NO.	DEPTH	DATE OF TEST	
CHORNEY OIL COMPANY	S. E. FLANK - UINTAH 1-5	1	4701' to 4716'	May 20, 1972	61-609

CHORNEY OIL COMPANY
NE (; 5 15S 23E
Test # 1

S. E. FLANK - 'INTAH 1-5
Uintah C nty, Utah
Job No. 61-609



OUTSIDE CHART # 7724 Depth 4715' 18 hr. Clock



INSIDE CHART # 7097 Depth 4710' 18 hr. Clock

LYNES

DRILL STEM TEST SERVICE REPORT

Field: Wildcat Formation: not available
Location: NE NE 5 15S 23E
County: Uintah State: Utah
Division: Rocky Mtn. District: Casper
Address: Box 144, Casper, Wyoming 82601

Job No. 61-609 Test No. 1 Customer Test No. 1
Net Feet of Pay: NA Elevation: 7437' KB; 7426' GL
Test Interval: 4701' To: 4716' T.D. 4716'
Type Test: Conventional
Customer's Representative: Birl Lynch
Lynes' Representative: James Holmes

No. Reports To: See attached distribution list

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: S. E. FLANK - UINTAH 1-5
TEST NO.: 1
DEPTH: 4701' to 4716'
DATE OF TEST: May 20, 1972
61-609

TESTING TIME

Started in hole at 5-20-72
Initial flow 15 Mins. Initial shut-in 30 Mins.
Second flow 33 Mins. Second shut-in 60 Mins.
Third flow 60 Mins. Third shut-in 120 Mins.

TEST DESCRIPTION	TIME
Opened tool for Initial First Flow	
Closed tool for First Shut-In	
Re-opened tool for Second Flow	
Closed tool for Second Shut-In	
Opened for Third Flow	
Closed for Third Shut-In	
Unset	

MUD AND HOLE DATA

Mud Type	Gel.-Chem.	Top Packer OD	6-1/2"
Weight	9.05 #	Bot Packer OD	6-1/2"
Viscosity	33 sec	Bot Hole Choke Size	15/16"
Water Loss	8 cc	Bot Hole Temp.	132°F
Filter Cake	2/32"	Caliper Hole Size	NA
Hole Size	7-7/8"	Rat Hole Size	—
Casing Size	13-3/8"	Set At	512'
Drill Pipe Size	4½" O.D.	Weight	16.60 # I.D. 3.826
Drill Collar Size	6-1/4" OD	Feet Run	I.D.
Cushion	—	Amount —	Feet —

REMARKS

BLOW: INITIAL FLOW: opened with a weak blow.

2nd FLOW: opened with a weak blow

3rd Flow: (see at right)

SAMPLER RECOVERY:
2500 cc Gas-cut Drilling mud. No pressure. Res. 2.7 ohm @ 74°F
Chlor. 1050 PPM

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT
	1/4"	1/2-1"	Air
2nd Flow	Bubble		
	Hose	1/2-1"	"
	"	2"	"
	"	4"	"
	"	6"	"
Final Flow	"	1"	"
	"	2"	"
	"	3"	"
	"	4"	"
	"	5"	"
	"	6"	"

RECOVERY Test was not reversed out
1400 Ft. of Drilling Mud--last 90' slightly
Ft. of gas-cut.
Ft. of
Ft. of
Ft. of

Pit Res. 2.5 Ohm @ 70°F Resistivity 2.7 Ohm @ 74°F
Pit Chlorides 1000 PPM Test Chlorides 1050 PPM

OFFICE CORRECTED PRESSURE READINGS

DESCRIPTION	Inside # 7097	Outside # 7724		
	Cap. 4000# Hrs. 18	Cap. 2550 Hrs. 18	Cap. Hrs.	Cap. Hrs.
	Depth 4710'	Depth 4715'	Depth	Depth
1. Initial Hydrostatic	2207 p.s.i.	2191 p.s.i.	p.s.i.	p.s.i.
2. Initial First Flow	79 p.s.i.	142 p.s.i.	p.s.i.	p.s.i.
3. Final First Flow	220 p.s.i.	213 p.s.i.	p.s.i.	p.s.i.
4. First Shut-In	467 p.s.i.	470 p.s.i.	p.s.i.	p.s.i.
5. Second Initial Flow	298 p.s.i.	306 p.s.i.	p.s.i.	p.s.i.
6. Second Final Flow	369 p.s.i.	371 p.s.i.	p.s.i.	p.s.i.
7. Second Shut-In	714 p.s.i.	713 p.s.i.	p.s.i.	p.s.i.
8. Third Initial Flow	444 p.s.i.	446 p.s.i.	p.s.i.	p.s.i.
9. Third Final Flow	550 p.s.i.	552 p.s.i.	p.s.i.	p.s.i.
10. Third Shut-In	902 p.s.i.	908 p.s.i.	p.s.i.	p.s.i.
11. Final Hydrostatic	2207 p.s.i.	2190 p.s.i.	p.s.i.	p.s.i.

PRESSURE BUILD UP—INCREMENTAL READING DATA

COMPANY CHORNEY OIL COMPANY
WELL NAME & NO S. E. FLANK - UINTAH #1 - 5
LOCATION NE NE 5 15S 23E Uintah County, Utah
D.S.T. NO. 1 INTERVAL TESTED 4701 to 4716 FORMATION Not Available

RECORDER NO. 7724 DEPTH 4715' CLOCK 18 Hrs. JOB NO. 61-609

First Flow Period		Initial Shut In Pressure			Second Flow Period		Second Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	142	.000		213	.000	306	.000		371
.014	160	.012		238	.012	319	.020		417
.028	174	.024		255	.024	328	.040		454
.042	192	.036		283	.036	336	.060		489
.056	208	.048		309	.048	341	.080		527
.067	213	.060		336	.060	346	.100		564
		.072		365	.072	356	.120		597
		.084		393	.084	362	.140		628
		.096		427	.096	368	.160		659
		.115		470	.108	371	.180		688
					.116	371	.204		713

FLOW Period		Shut In Pressure			THIRD Flow Period		THIRD Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
					.000	446	.000		552
					.021	475	.040		640
					.042	476	.080		702
					.063	485	.120		748
					.084	494	.160		785
					.105	505	.200		813
					.126	515	.240		839
					.147	525	.280		860
					.168	535	.320		880
					.189	545	.360		894
					.206	552	.398		908

SPECIAL PRESSURE DATA

PRESSURE BUILD UP—INCREMENTAL READING DATA

COMPANY CHORN OIL COMPANY
WELL NAME & NO. S. E. FLANK - UINTAH # 1-5
LOCATION NE NE 5 15S 23E Uintah County, Utah
D.S.T. NO. 1 INTERVAL TESTED 4701' to 4716' FORMATION Not Available

RECORDER NO. 7097 DEPTH 4710' CLOCK 18 Hrs. JOB NO. 61-609

First Flow Period		Initial Shut In Pressure			Second Flow Period		Second Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	79	.000		220	.000	298	.000		369
.014	79	.013		220	.012	315	.020		410
.028	139	.026		238	.024	323	.040		449
.042	179	.039		259	.036	333	.060		484
.056	198	.052		285	.048	334	.080		522
.073	220	.065		315	.060	344	.100		558
		.078		344	.072	349	.120		598
		.091		372	.084	356	.140		628
		.104		407	.096	364	.160		659
		.117		433	.108	367	.180		688
		.130		467	.120	369	.204		714

THIRD FLOW Period		THIRD Shut In Pressure			Flow Period		Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	444	.000		550					
.021	470	.040		636					
.042	474	.080		696					
.063	482	.120		741					
.084	490	.160		776					
.105	502	.200		804					
.126	513	.240		829					
.147	525	.280		851					
.168	533	.320		869					
.189	542	.360		887					
.212	550	.403		902					

SPECIAL PRESSURE DATA

DISTRIBUTION LIST

CHORNEY OIL COMPANY
NE NE 5 15S 23E
Test # 1

S. E. FLANK - UINTAH 1-5
Uintah County, Utah
Job No. 61-609

3 ea CHORNEY OIL COMPANY
P. O. Box 144
Casper, Wyoming 82601
Attn: Sam Boltz
Gene O'Brien
L. "Buck" Stanley

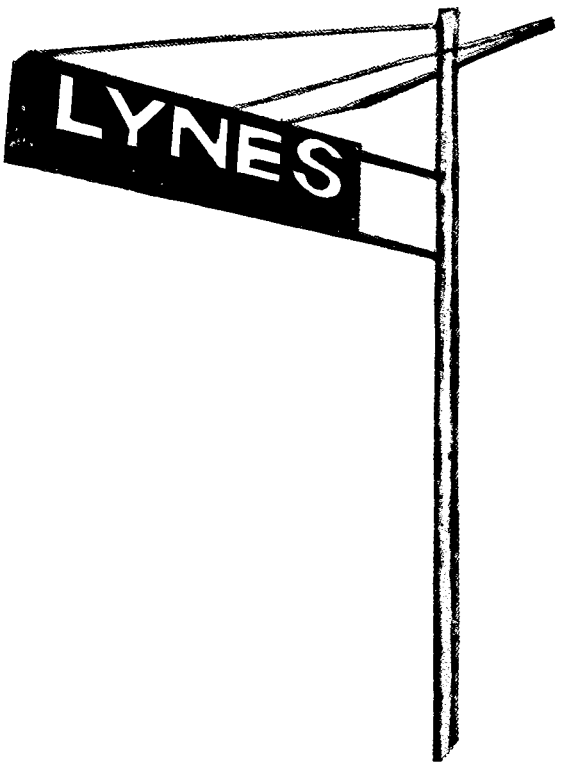
2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105
Attn: Charles Pennypacker Smith
Jerry Kunz

2 ea MONO POWER COMPANY
P. O. Box 800
Rosemaid, California 91770
Attn: Bernard J. Perry
Harvey Coontz

2 ea UNION OIL COMPANY OF CALIFORNIA
P. O. Box 3372
Durango, Colorado 81301
Attn: Clarence Harr

1 ea U. S. G. S.
8416 Federal Building
Salt Lake City, Utah 84111
Attn: Jerry Daniels, Dist. Eng.

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116
Attn: Stanley M. Edwards
Cleon B. Feight, Director

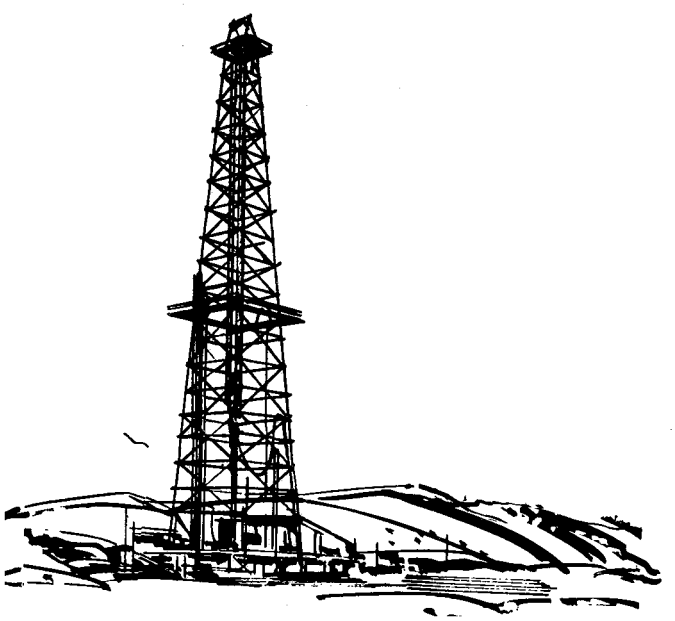


HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

LYNES

BRIGHT NAME IN THE OIL PATCH

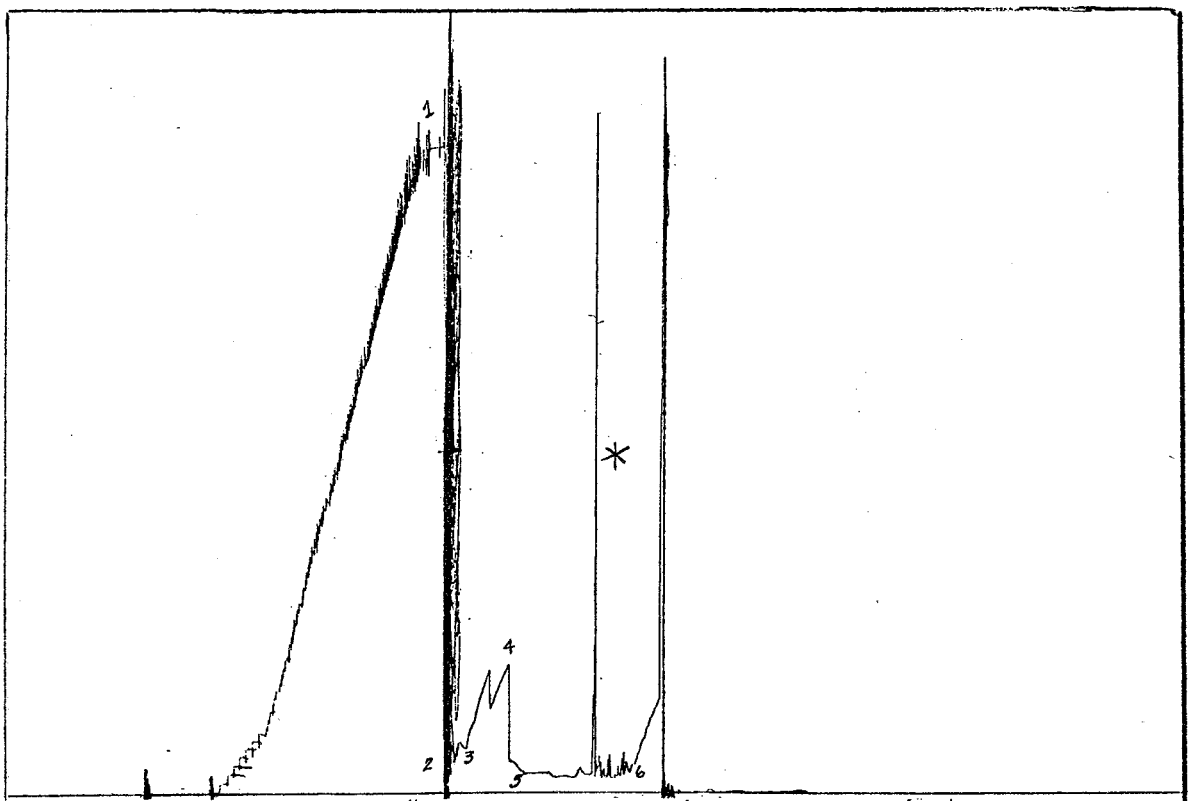
Inflatable Sealing Element Packers



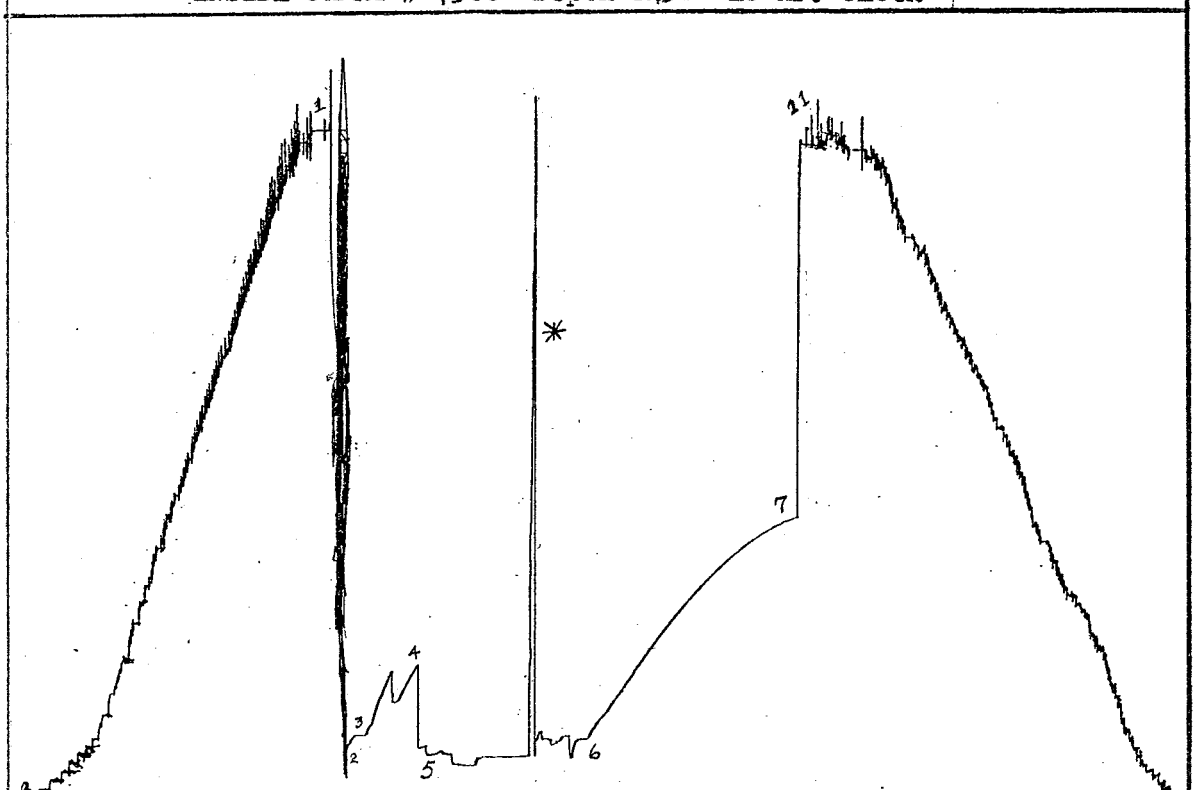
Formation Testing Service Report

COMPANY	LEASE AND WELL NO.	TEST NO.	DEPTH	DATE OF TEST	
CHORNEY OIL COMPANY	S. E. FLANK - UINTAH Fed # 1-5	2	8624' to 8642'	June 2, 1972	61-610

CHORNEY OIL COMPANY S.E. FLANK—UINTAH 1-5
NE NF 5 15S 23E Uintah Count Utah
Test # Job No. 51-610



INSIDE CHART # 7300 Depth 8436' 18 Hr. Clock



OUTSIDE CHART #6584 Depth 8441' 18 Hr. Clock

LYNES

DRILL STEM TEST SERVICE REPORT

Field: Wildcat Formation: Dakota
Location: NE NE 5 15S 23E
County: Uintah State: Utah
Division: Rocky Mt. District: Casper
Address: P. O. Box 144
Casper, Wyoming 82601
No. Reports To: See attached distribution list

Job No. 61-610 Test No. 2 Customer Test No. 2
Net Feet of Pay 14' Elevation GL 7426'; KB 7437'
Test Interval 8624' To 8642' T.D. 8642'
Type Test Conventional
Customer's Representative Mr. Jim Cox
Lynes' Representative I. B. Webb

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: S. E. FLANK - UINTAH Fed # 1-5
TEST NO.: 2
DEPTH: 8624' to 8642'
DATE OF TEST: June 2, 1972
61-610

TESTING TIME

Started in hole at 10:15 PM 6-2-72
Initial flow 10 Mins. Initial shut-in 30 Mins.
Second flow 90 Mins. Second shut-in 120 Mins.
Third flow ____ Mins. Third shut-in ____ Mins.

TEST DESCRIPTION		TIME
Opened tool for Initial First Flow	1:40 AM	6-3-72
Closed tool for First Shut-In	1:50 AM	
Re-opened tool for Second Flow	2:20 AM	
Closed tool for Second Shut-In	3:50 AM	
Opened for Third Flow		
Closed for Third Shut-In		
Unset	5:50 AM	

MUD AND HOLE DATA

Mud Type	Low Solids	Top Packer OD	6-5/8"
Weight	9.3#	Bot Packer OD	6-5/8"
Viscosity	41 sec	Bot Hole Choke Size	1"
Water Loss	3.8 cc	Bot Hole Temp.	235°F
Filter Cake	2/32"	Caliper Hole Size	7-7/8"
Hole Size	7-7/8"	Rat Hole Size	—
Casing Size	13-3/8"	Set At	512'
Drill Pipe Size	4½" XH	Weight	16.60# I.D. 3.826
Drill Collar Size	6-1/4" OD	Feet Run	651' I.D. 2.50
Cushion	none	Amount	Feet

REMARKS

BLOW: 1st. FLOW: Opened with a weak blow.

2nd FLOW: Opened with a very weak blow. After the tool had been opened for one hour, we deliberately* by-passed the packer, in an attempt to dislodge any plugging material, should this be the cause of the weak blow. The tool reopened with a very weak blow.

NOTE: Soft Bottom...packers slid down the hole 8 to 10 feet on the Initial setting.

SAMPLER RECOVERY: 2500 cc slightly gas-cut mud @ 50# PSI.

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT

RECOVERY Test was not reversed out
135' Ft. of Drilling Mud
Ft. of
Ft. of
Ft. of
Ft. of
Oil recovery °API Test Resistivity 1.8 Ohm @ 70°F
Pit Chlorides 550 PPM Test Chlorides 500 PPM

OFFICE CORRECTED PRESSURE READINGS

DESCRIPTION	Inside # 7300 Cap. 8436# Hrs. 18 Depth 8436'	Outside # 6584 Cap. 8,000# Hrs. 18 Depth 8441'	Cap. Hrs. Depth	Cap. Hrs. Depth
1. Initial Hydrostatic	4120 p.s.i.	4141 p.s.i.	p.s.i.	p.s.i.
2. Initial First Flow	? p.s.i.	305 p.s.i.	p.s.i.	p.s.i.
3. Final First Flow	275 p.s.i.	391 p.s.i.	p.s.i.	p.s.i.
4. First Shut-In	794 p.s.i.	814 p.s.i.	p.s.i.	p.s.i.
5. Second Initial Flow	122 p.s.i.	263 ? p.s.i.	p.s.i.	p.s.i.
6. Second Final Flow	171 p.s.i.	365 p.s.i.	p.s.i.	p.s.i.
7. Second Shut-In	p.s.i.	1716 p.s.i.	p.s.i.	p.s.i.
8. Third Initial Flow	p.s.i.	p.s.i.	p.s.i.	p.s.i.
9. Third Final Flow	p.s.i.	p.s.i.	p.s.i.	p.s.i.
10. Third Shut-In	p.s.i.	p.s.i.	p.s.i.	p.s.i.
11. Final Hydrostatic	? p.s.i.	4141 p.s.i.	p.s.i.	p.s.i.

PRESSURE BUILD UP—INCREMENTAL READING DATA

COMPANY CHORNEY OIL COMPANY
WELL NAME & NO. S. E. FLANK - UINTAH Fed # 1-5
LOCATION NE NE 5 15S 23E
D.S.T. NO. INTERVAL TESTED 8624' to 8642' FORMATION Dakota

RECORDER NO. 6584 DEPTH 8441 ft. CLOCK 18 Hrs. JOB NO. 61-610

First Flow Period		Initial Shut In Pressure			Second Flow Period		Final Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.034					.320		.040		555
							.080		740
							.120		926
							.160		1094
							.200		1252
							.240		1384
							.280		1500
							.320		1597
							.360		1671
							.400		1716

RECORDER NO. DEPTH CLOCK Hrs. JOB NO.

First FLOW Period		Initial Shut In Pressure			Second Flow Period		Final Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG

SPECIAL PRESSURE DATA

DISTRIBUTION LIST

CHORNEY OIL COMPANY
NE NE 5 15S 23E
Test # 1

S. E. FLANK - UINTAH 1-5
Uintah County, Utah
Job No. 61-610

3 ea CHORNEY OIL COMPANY
P. O. Box 144
Casper, Wyoming 82601
Attn: Sam Boltz
Gene O'Brien
L. "Buck" Stanley

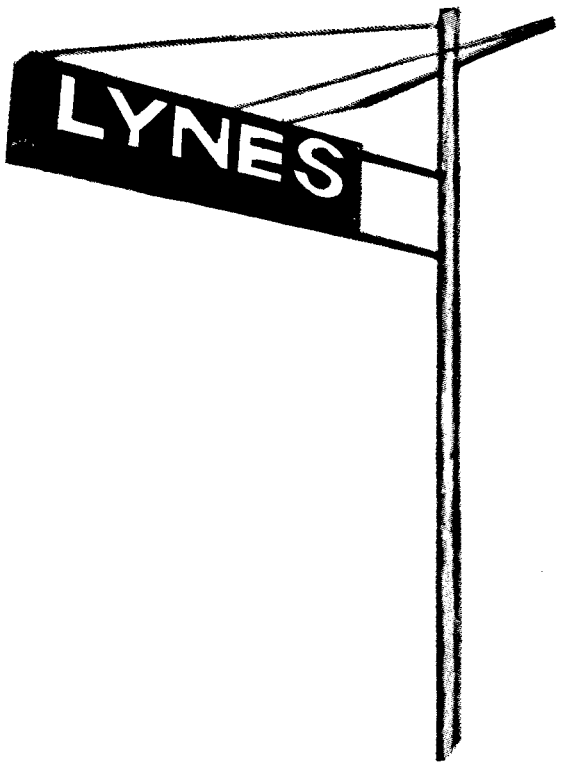
2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105
Attn: Charles Pennypacker Smith
Jerry Kunz

2 ea MONO POWER COMPANY
P. O. Box 800
Rosemaid, California 91770
Attn: Bernard J. Perry
Harvey Coontz

2 ea UNION OIL COMPANY OF CALIFORNIA
P. O. Box 3372
Durango, Colorado 81301
Attn: Clarence Harr

1 ea U. S. G. S.
8416 Federal Building
Salt Lake City, Utah 84111
Attn: Jerry Daniels, Dist. Eng.

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116
Attn: Stanley M. Edwards
Cleon B. Feight, Director

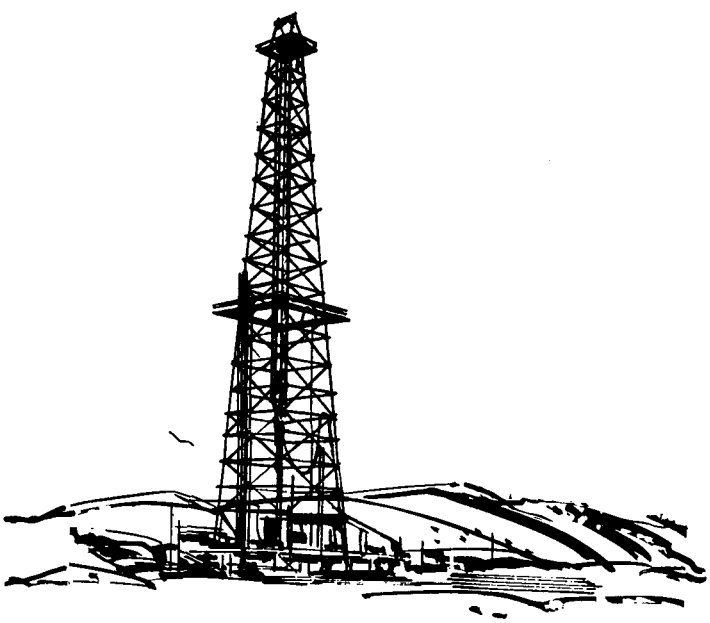


HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable Sealing Element Packers



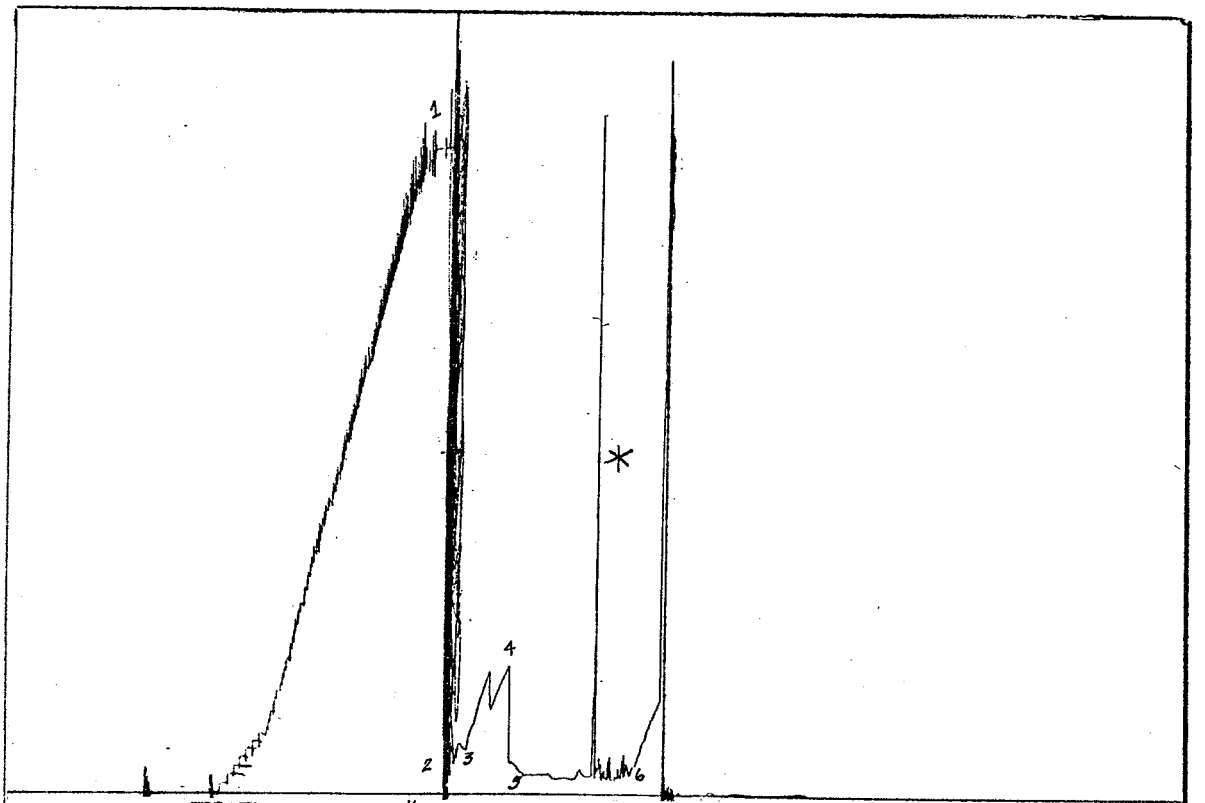
Formation Testing Service Report

COMPANY	LEASE AND WELL NO.	TEST NO.	DEPTH	DATE OF TEST
CHORNEY OIL COMPANY	S. E. FLANK - UINTAH Fed # 1-5	2	8624' to 8642'	June 2, 1972

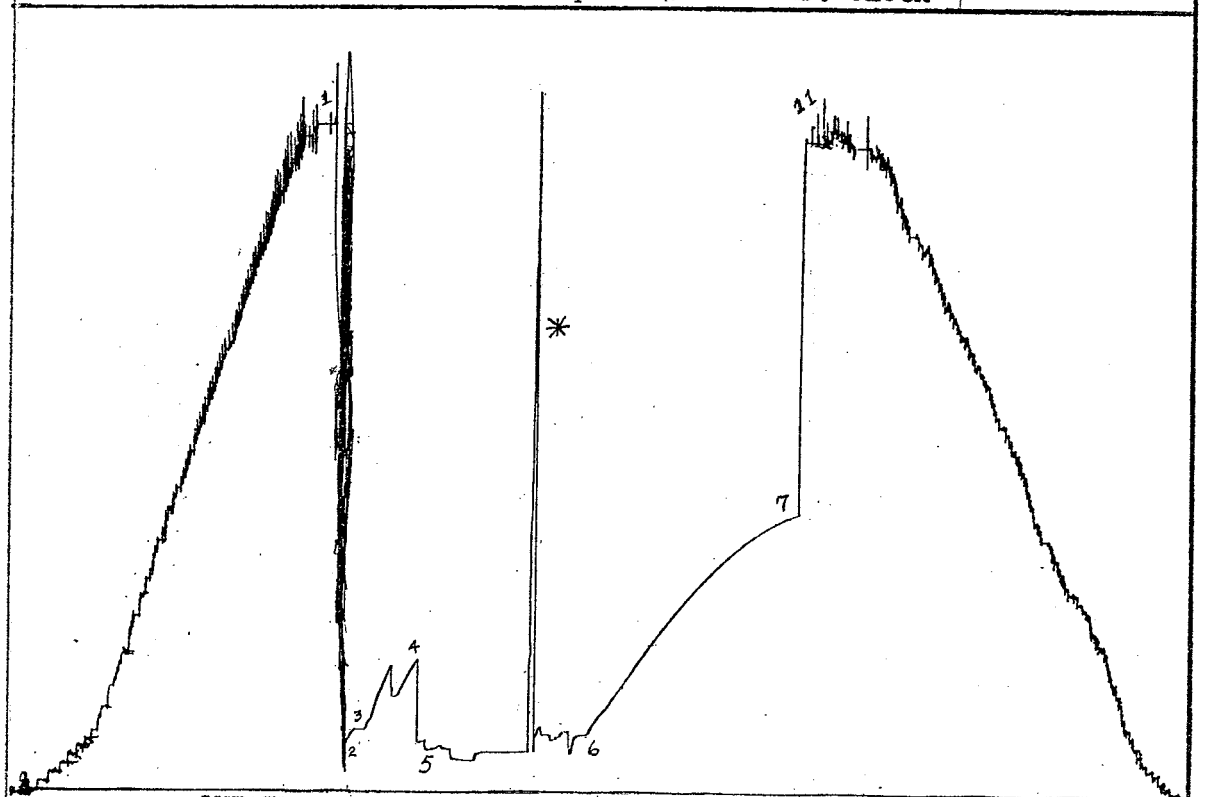
61-610

CHORNEY OIL COMPANY
NE NE 5 15S 23E
Test 2

S.E. FLANK—UINTAH 1-5
Uintah County, Utah
Job No. 61-610



INSIDE CHART # 7300 Depth 8436' 18 Hr. Clock



OUTSIDE CHART #6584 Depth 8441' 18 Hr. Clock

LYNES

DRILL STEM TEST SERVICE REPORT

Field: Wildcat Formation: Dakota
Location: NE NE 5 15S 23E
County: Uintah State: Utah
Division: Rocky Mt. District: Casper
Address: P. O. Box 144
Casper, Wyoming 82601
No. Reports To: See attached distribution list

Job No. 61-610 Test No. 2 Customer Test No. 2
Net Feet of Pay 14' Elevation GL 7426'; KB 7437'
Test Interval 8624' To 8642' T.D. 8642'
Type Test Conventional
Customer's Representative Mr. Jim Cox
Lynes' Representative I. B. Webb

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: S. E. FLANK - UINTAH Fed # 1-5
TEST NO.: 2
DEPTH: 8624' to 8642'
DATE OF TEST: June 2, 1972
61-610

TESTING TIME

Started in hole at 10:15 PM 6-2-72
Initial flow 10 Mins. Initial shut-in 30 Mins.
Second flow 90 Mins. Second shut-in 120 Mins.
Third flow ____ Mins. Third shut-in ____ Mins.

TEST DESCRIPTION	TIME	
Opened tool for Initial First Flow	1:40 AM	6-3-72
Closed tool for First Shut-In	1:50 AM	
Re-opened tool for Second Flow	2:20 AM	
Closed tool for Second Shut-In	3:50 AM	
Opened for Third Flow		
Closed for Third Shut-In		
Unset	5:50 AM	

MUD AND HOLE DATA

Mud Type	Low Solids	Top Packer OD	6-5/8"
Weight	9.3#	Bot Packer OD	6-5/8"
Viscosity	41 sec	Bot Hole Choke Size	1"
Water Loss	3.8 cc	Bot Hole Temp.	235°F
Filter Cake	2/32"	Caliper Hole Size	7-7/8"
Hole Size	7-7/8"	Rat Hole Size	—
Casing Size	13-3/8"	Set At	512'
Drill Pipe Size	4½" XH	Weight	16.60# I.D. 3.826
Drill Collar Size	6-1/4" OD	Feet Run	651' I.D. 2.50
Cushion	none	Amount	Feet

REMARKS

BLOW: 1st. FLOW: Opened with a weak blow.

2nd FLOW: Opened with a very weak blow. After the tool had been opened for one hour, we deliberately* by-passed the packer, in an attempt to dislodge any plugging material, should this be the cause of the weak blow. The tool reopened with a very weak blow.

NOTE: Soft Bottom...packers slid down the hole 8 to 10 feet on the Initial setting.

SAMPLER RECOVERY: 2500 cc slightly gas-cut mud @ 50# PSI.

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT

RECOVERY Test was not reversed out
135' Ft. of Drilling Mud
Ft. of
Ft. of
Ft. of
Ft. of
Oil recovery °API Test Resistivity 1.8 Ohm @ 70°F
Pit Chlorides 550 PPM Test Chlorides 500 PPM

OFFICE CORRECTED PRESSURE READINGS

DESCRIPTION	Inside # 7300	Outside # 6584		
	Cap. 8436# Hrs. 18	Cap. 8,000# Hrs. 18	Cap. Hrs.	Cap. Hrs.
	Depth 8436'	Depth 8441'	Depth	Depth
1. Initial Hydrostatic	4120 p.s.i.	4141 p.s.i.	p.s.i.	p.s.i.
2. Initial First Flow	? p.s.i.	305 p.s.i.	p.s.i.	p.s.i.
3. Final First Flow	275 p.s.i.	391 p.s.i.	p.s.i.	p.s.i.
4. First Shut-In	794 p.s.i.	814 p.s.i.	p.s.i.	p.s.i.
5. Second Initial Flow	122 p.s.i.	263 ? p.s.i.	p.s.i.	p.s.i.
6. Second Final Flow	171 p.s.i.	365 p.s.i.	p.s.i.	p.s.i.
7. Second Shut-In	p.s.i.	1716 p.s.i.	p.s.i.	p.s.i.
8. Third Initial Flow	p.s.i.	p.s.,.	p.s.i.	p.s.i.
9. Third Final Flow	p.s.i.	p.s.i.	p.s.i.	p.s.i.
10. Third Shut-In	p.s.i.	p.s.i.	p.s.i.	p.s.i.
11. Final Hydrostatic	? p.s.i.	4141 p.s.i.	p.s.i.	p.s.i.

PRESSURE BUILD UP—INCREMENTAL READING DATA

COMPANY CHORNEY OIL COMPANY
WELL NAME & NO. S. E. FLANK - UINTAH Fed # 1-5
LOCATION NE NE 5 15S 23E
D.S.T. NO. INTERVAL TESTED 8624' to 8642' FORMATION Dakota

RECORDER NO. 6584 DEPTH 8441 ft. CLOCK 18 Hrs. JOB NO. 61-610

First Flow Period		Initial Shut In Pressure			Second Flow Period		Final Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.034					.320		.040		555
							.080		740
							.120		926
							.160		1094
							.200		1252
							.240		1384
							.280		1500
							.320		1597
							.360		1671
							.400		1716

RECORDER NO. DEPTH CLOCK Hrs. JOB NO.

First FLOW Period		Initial Shut In Pressure			Second Flow Period		Final Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG

SPECIAL PRESSURE DATA

DISTRIBUTION LIST

CHORNEY OIL COMPANY
NE NE 5 15S 23E
Test # 1

S. E. FLANK - UINTAH 1-5
Uintah County, Utah
Job No. 61-610

3 ea CHORNEY OIL COMPANY
P. O. Box 144
Casper, Wyoming 82601
Attn: Sam Boltz
Gene O'Brien
L. "Buck" Stanley

2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105
Attn: Charles Pennypacker Smith
Jerry Kunz

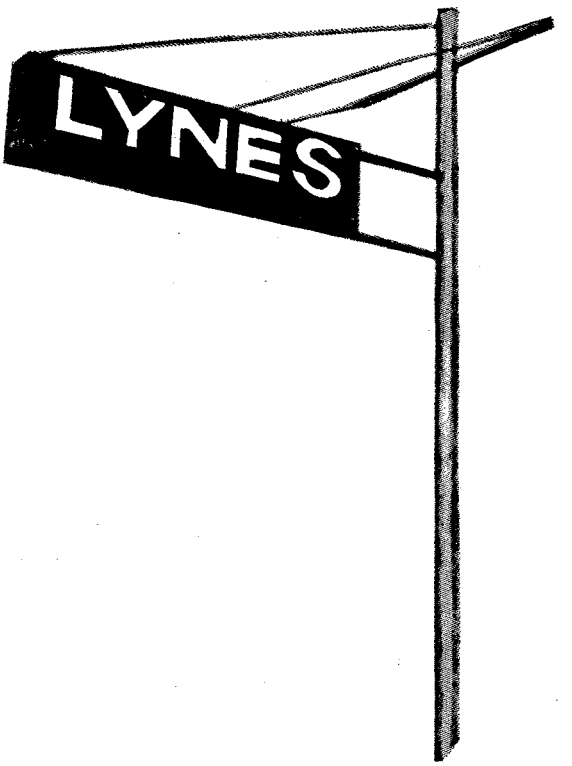
2 ea MONO POWER COMPANY
P. O. Box 800
Rosemaid, California 91770
Attn: Berrard J. Perry
Harvey Coontz

2 ea UNION OIL COMPANY OF CALIFORNIA
P. O. Box 3372
Durango, Colorado 81301
Attn: Clarence Harr

1 ea U. S. G. S.
8416 Federal Building
Salt Lake City, Utah 84111
Attn: Jerry Daniels, Dist. Eng.

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116
Attn: Stanley M. Edwards
Cleon B. Feight, Director

JUN 15 1972

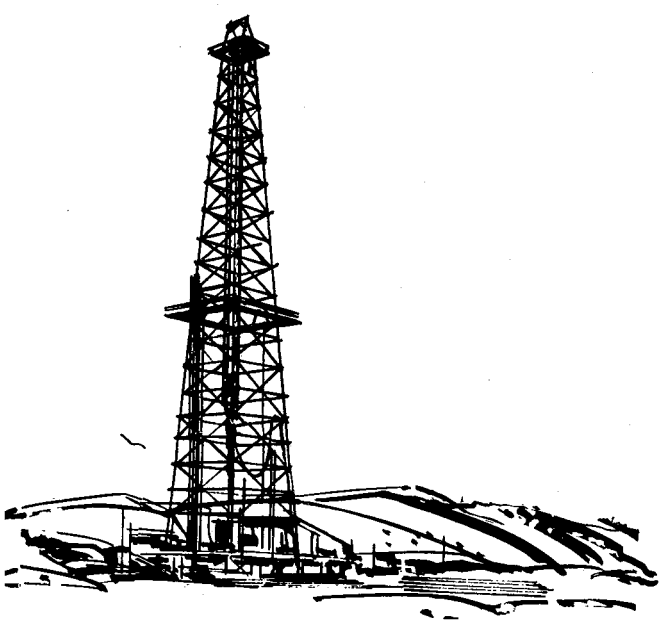


HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable Sealing Element Packers



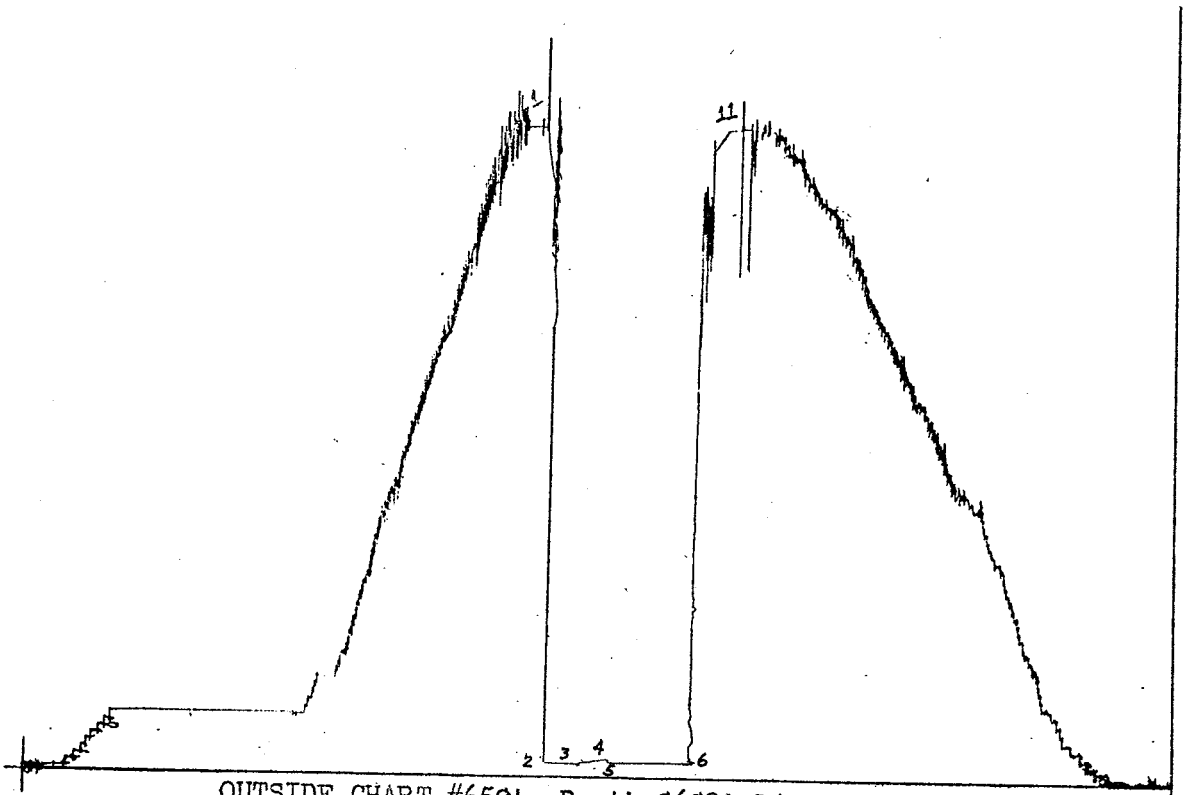
Formation Testing Service Report

COMPANY	LEASE AND WELL NO.	TEST NO.	DEPTH	DATE OF TEST
CHORNEY OIL COMPANY	S. E. FLANK - UINTAH Fed. #1-15	3	8648' to 8684'	June 4, 1972

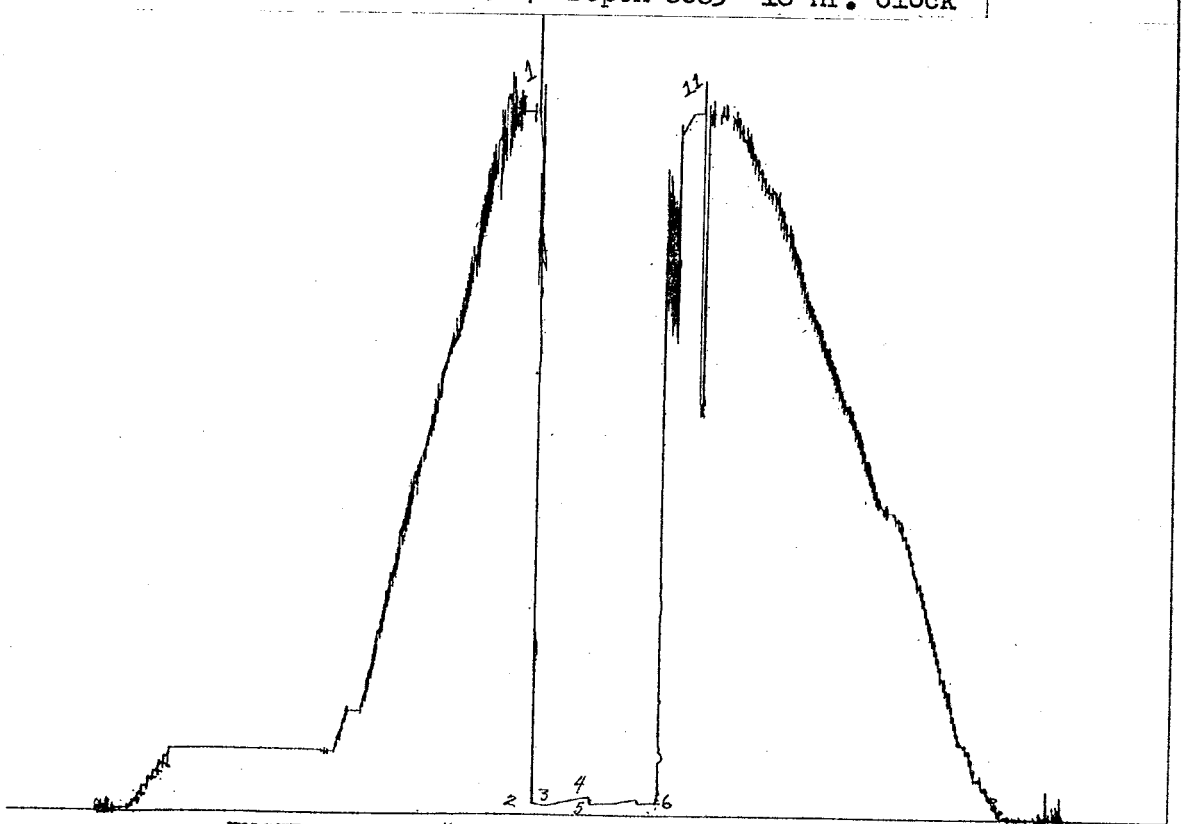
61-611

CHORNEY OIL COMPANY
NE NF 5 15S 23E
Test # 3

S.E. FLANK--UINTAH 1-5
Uintah Cou' -, Utah
Job No. 61-611



OUTSIDE CHART #6584 Depth 8683' 18 Hr. Clock



INSIDE CHART # 7300 Depth 8677' 18 Hr. Clock

LYNES

DRILL STEM TEST SERVICE REPORT

Field: Wildcat | Formation: Dakota
Location: NE NE 5 15S 23E
County: UINTAH | State: UTAH
Division: Rocky Mt. | District: Casper
Address: P. O. Box 144
Casper, Wyoming 82601
No. Reports To: See attached distribution List

Job No. 61-611 | Test No. 3 | Customer Test No. 3
Net Feet of Pay: ? | Elevation: 7437'KB; 7426' GL
Test Interval: 8648' | To: 8684' | T.D. 8684'
Type Test: CONVENTIONAL
Customer's Representative: Mr. Jim Cox
Lynes' Representative: I. B. Webb

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: S. E. FLANK - UINTAH Fed. #1-15
TEST NO.: 3
DEPTH: 8648' to 8684'
DATE OF TEST: June 4, 1972
61-611

TESTING TIME

Started in hole at: 4:30 AM 6-4-72
Initial flow: 10 Mins. Initial shut-in: 30 Mins.
Second flow: 49 Mins. Second shut-in: - Mins.
Third flow: Mins. Third shut-in: - Mins.

TEST DESCRIPTION	TIME
Opened tool for Initial First Flow	9:14 AM
Closed tool for First Shut-In	9:24 AM
Re-opened tool for Second Flow	9:54 AM
Closed tool for Second Shut-In	
Opened for Third Flow	
Closed for Third Shut-In	
Packer Seat gave away @ Unset	10:43 AM

MUD AND HOLE DATA

Mud Type	Low Solids	Top Packer OD	6-5/8"
Weight	9.3#	Bot Packer OD	6-5/8"
Viscosity	41 sec	Bot Hole Choke Size	1"
Water Loss	10.6 cc	Bot Hole Temp.	226°F
Filter Cake	2/32"	Caliper Hole Size	—
Hole Size	7-7/8"	Rat Hole Size	—
Casing Size	13-3/8"	Set At	512'
Drill Pipe Size	4½" XH	Weight 16.60#	I.D. 3.826
Drill Collar Size	6-1/4" OD	Feet Run 652	I.D. 2.50
Cushion		Amount	Feet

REMARKS

BLOW: 1st Flow: Opened with a weak blow decreasing and died in 3 min.

2nd Flow: Opened with very weak blow died in 2 min. 49 min into the 2nd flow period, the packer seat gave way and Communication occured. The test was aborted.

SAMPLER RECOVERY: 2500 cc of Drilling Mud ..full.

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT

RECOVERY: Test was not reversed out
3946' Ft. of Drilling Mud (Communications)
Ft. of
Ft. of
Ft. of
Ft. of
Oil recovery °API: Test | Resistivity: 1.8
Pit Chlorides: 550 PPM | Test Chlorides: 550 PPM

PRESSURE READINGS

OFFICE CORRECTED

DESCRIPTION	Inside # 7300 Cap. 6200# Hrs. 18 Depth 8677'	Outside # 6584 Cap. 8000# Hrs. 18 Depth 8683'	Cap. Hrs. Depth	Cap. Hrs. Depth
1. Initial Hydrostatic	4152 p.s.i.	4172 p.s.i.	p.s.i.	p.s.i.
2. Initial First Flow	60 p.s.i.	93 p.s.i.	p.s.i.	p.s.i.
3. Final First Flow	60 p.s.i.	93 p.s.i.	p.s.i.	p.s.i.
4. First Shut-In	102 p.s.i.	112 p.s.i.	p.s.i.	p.s.i.
5. Second Initial Flow	65 p.s.i.	96 p.s.i.	p.s.i.	p.s.i.
6. Second Final Flow	72 p.s.i.	96 p.s.i.	p.s.i.	p.s.i.
7. Second Shut-In	p.s.i.	p.s.i.	p.s.i.	p.s.i.
8. Third Initial Flow	p.s.i.	p.s.i.	p.s.i.	p.s.i.
9. Third Final Flow	p.s.i.	p.s.i.	p.s.i.	p.s.i.
10. Third Shut-In	p.s.i.	p.s.i.	p.s.i.	p.s.i.
11. Final Hydrostatic	4152 p.s.i.	4172 p.s.i.	p.s.i.	p.s.i.

FORM 13

DISTRIBUTION LIST

CHORNEY OIL COMPANY
NE NE 5 15S 23E
Test # 1

S. E. FLANK - UINTAH 1-5
Uintah County, Utah
Job No. 61-611

3 ea CHORNEY OIL COMPANY
P. O. Box 144
Casper, Wyoming 82601
Attn: Sam Boltz
Gene O'Brien
L. "Buck" Stanley

2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105
Attn: Charles Pennypacker Smith
Jerry Kunz

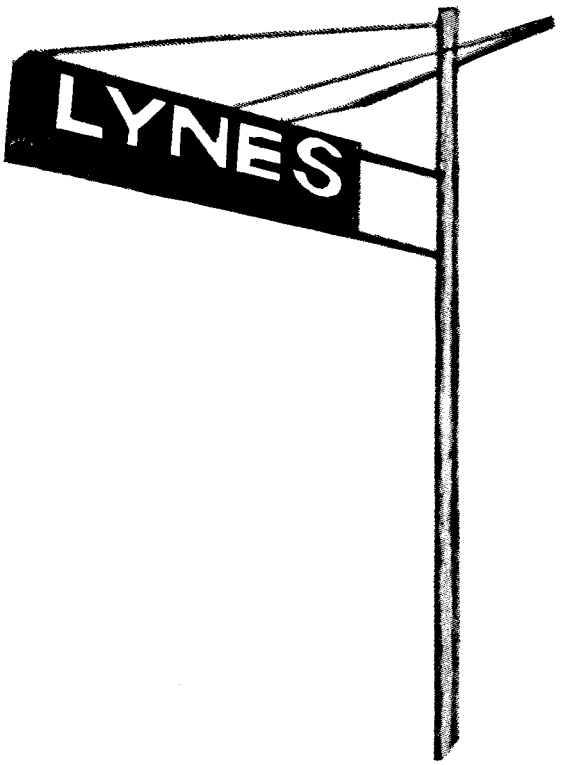
2 ea MONO POWER COMPANY
P. O. Box 800
Rosemaid, California 91770
Attn: Berrard J. Perry
Harvey Coontz

2 ea UNION OIL COMPANY OF CALIFORNIA
P. O. Box 3372
Durango, Colorado 81301
Attn: Clarence Harr

1 ea U. S. G. S.
8416 Federal Building
Salt Lake City, Utah 84111
Attn: Jerry Daniels, Dist. Eng.

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116
Attn: Stanley M. Edwards
Cleon B. Feight, Director

JUN 15 1972

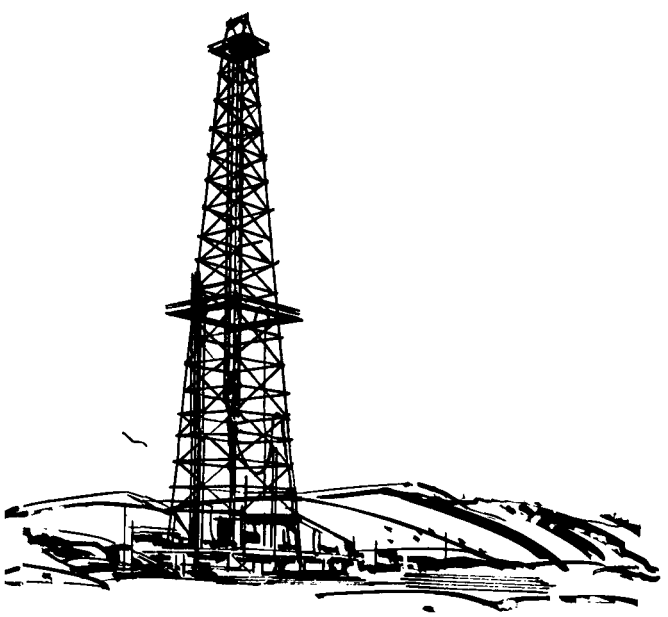


HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

LYNES

BRIGHT NAME IN THE OIL PATCH

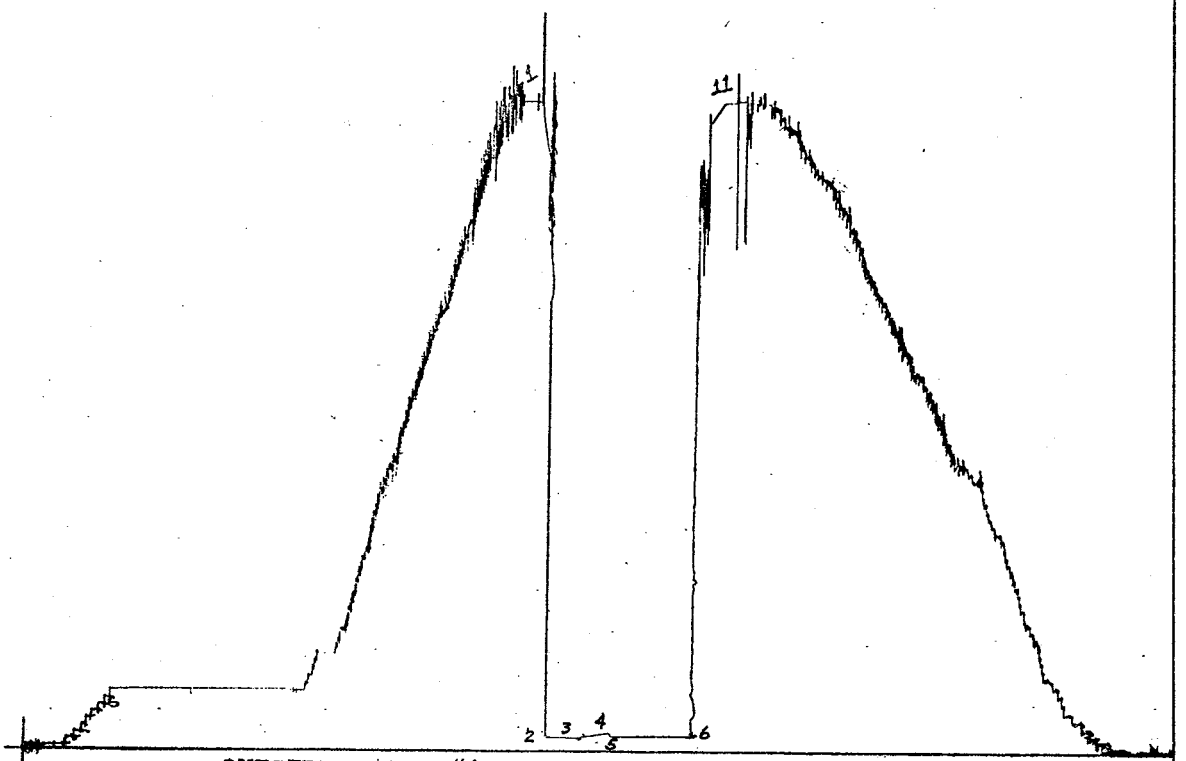
Inflatable Sealing Element Packers



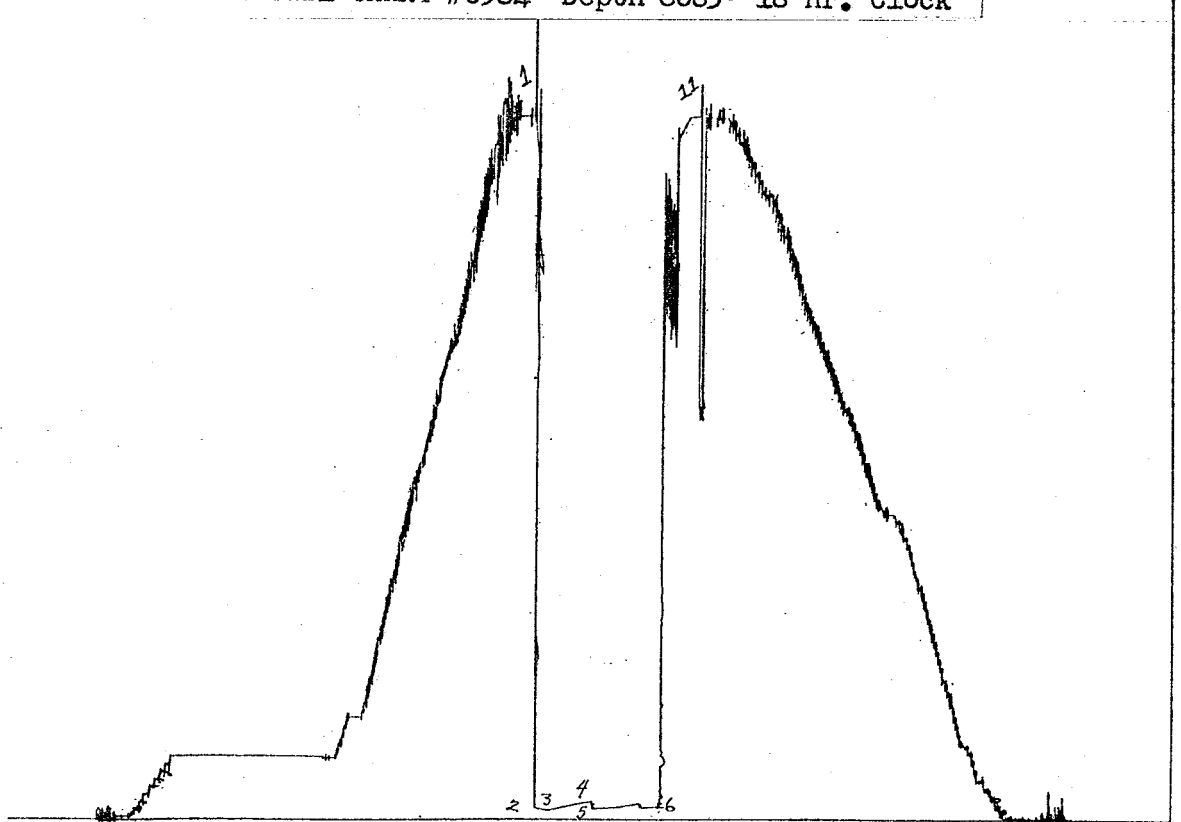
Formation Testing Service Report

COMPANY	LEASE AND WELL NO.	TEST NO.	DEPTH	DATE OF TEST	
CHORNEY OIL COMPANY	S. E. FLANK - UINTAH Fed. #1-15	3	8648' to 8684'	June 4, 1972	61-611

CHORNEY OIL COMPANY S.E. FLANK--UINTAH 1-5
NE [illegible] 5 15S 23E Uintah Co[illegible]ty, Utah
Test # 3 Job No. 61-611



OUTSIDE CHART #6584 Depth 8683' 18 Hr. Clock



INSIDE CHART # 7300 Depth 8677' 18 Hr. Clock

LYNES

DRILL STEM TEST SERVICE REPORT

Field: Wildcat Formation: Dakota
Location: NE NE 5 15S 23E
County: UINTAH State: UTAH
Division: Rocky Mt. District: Casper
Address: P. O. Box 144
Casper, Wyoming 82601
No. Reports To: See attached distribution List

Job No. 61-611 Test No. 3 Customer Test No. 3
Net Feet of Pay: ? Elevation: 7437' KB; 7426' GL
Test Interval: 8648' To: 8684' T.D. 8684'
Type Test: CONVENTIONAL
Customer's Representative: Mr. Jim Cox
Lynes' Representative: I. B. Webb

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: S. E. FLANK - UINTAH Fed. #1-15
TEST NO.: 3
DEPTH: 8648' to 8684'
DATE OF TEST: June 4, 1972
61-611

TESTING TIME

Started in hole at: 4:30 AM 6-4-72
Initial flow: 10 Mins. Initial shut-in: 30 Mins.
Second flow: 49 Mins. Second shut-in: - Mins.
Third flow: ____ Mins. Third shut-in: - Mins.

TEST DESCRIPTION	TIME
Opened tool for Initial First Flow	9:14 AM
Closed tool for First Shut-In	9:24 AM
Re-opened tool for Second Flow	9:54 AM
Closed tool for Second Shut-In	
Opened for Third Flow	
Closed for Third Shut-In	
Packer Seat gave away @ Unset	10:43 AM

MUD AND HOLE DATA

Mud Type	Low Solids	Top Packer OD	6-5/8"
Weight	9.3#	Bot Packer OD	6-5/8"
Viscosity	41 sec	Bot Hole Choke Size	1"
Water Loss	10.6 cc	Bot Hole Temp.	226°F
Filter Cake	2/32"	Caliper Hole Size	—
Hole Size	7-7/8"	Rat Hole Size	—
Casing Size	13-3/8"	Set At	512'
Drill Pipe Size	4½" XH	Weight 16.60#	I.D. 3.826
Drill Collar Size	6-1/4" OD	Feet Run 652	I.D. 2.50
Cushion		Amount	Feet

REMARKS

BLOW: 1st Flow: Opened with a weak blow decreasing and died in 3 min.

2nd Flow: Opened with very weak blow died in 2 min. 49 min into the 2nd flow period, the packer seat gave way and Communication occured. The test was aborted.

SAMPLER RECOVERY: 2500 cc of Drilling Mud ..full.

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT

RECOVERY Test was not reversed out
3946' Ft. of Drilling Mud (Communications)
Ft. of
Ft. of
Ft. of
Ft. of
Oil recovery °API Test Resistivity 1.8
Pit Chlorides 550 PPM Test Chlorides 550 PPM

OFFICE CORRECTED

PRESSURE READINGS

DESCRIPTION	Inside # 7300 Cap. 6200# Hrs. 18 Depth 8677'	Outside # 6584 Cap. 8000# Hrs. 18 Depth 8683'	Cap. Hrs. Depth	Cap. Hrs. Depth
1. Initial Hydrostatic	4152 p.s.i.	4172 p.s.i.	p.s.i.	p.s.i.
2. Initial First Flow	60 p.s.i.	93 p.s.i.	p.s.i.	p.s.i.
3. Final First Flow	60 p.s.i.	93 p.s.i.	p.s.i.	p.s.i.
4. First Shut-In	102 p.s.i.	112 p.s.i.	p.s.i.	p.s.i.
5. Second Initial Flow	65 p.s.i.	96 p.s.i.	p.s.i.	p.s.i.
6. Second Final Flow	72 p.s.i.	96 p.s.i.	p.s.i.	p.s.i.
7. Second Shut-In	p.s.i.	p.s.i.	p.s.i.	p.s.i.
8. Third Initial Flow	p.s.i.	p.s.i.	p.s.i.	p.s.i.
9. Third Final Flow	p.s.i.	p.s.i.	p.s.i.	p.s.i.
10. Third Shut-In	p.s.i.	p.s.i.	p.s.i.	p.s.i.
11. Final Hydrostatic	4152 p.s.i.	4172 p.s.i.	p.s.i.	p.s.i.

FORM 13

DISTRIBUTION LIST

CHORNEY OIL COMPANY
NE NE 5 15S 23E
Test # 1

S. E. FLANK - UINTAH 1-5
Uintah County, Utah
Job No. 61-611

3 ea CHORNEY OIL COMPANY
P. O. Box 144
Casper, Wyoming 82601
Attn: Sam Boltz
Gene O'Brien
L. "Buck" Stanley

2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105
Attn: Charles Pennypacker Smith
Jerry Kunz

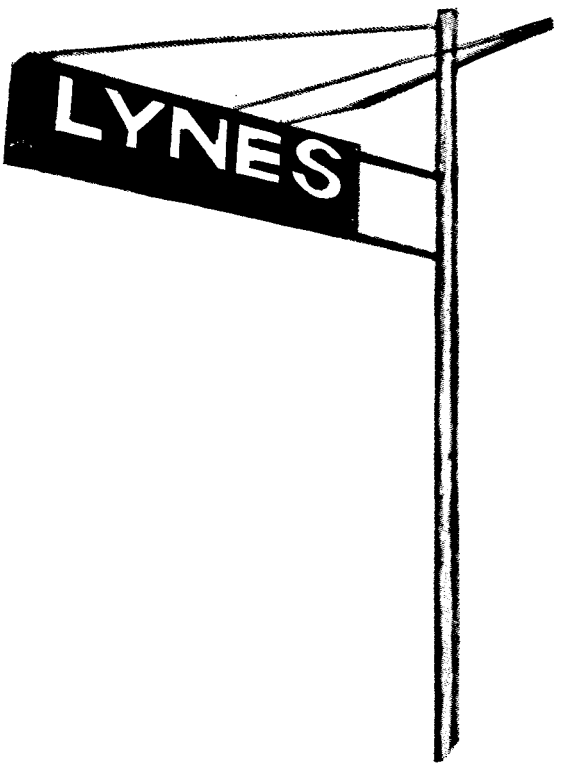
2 ea MONO POWER COMPANY
P. O. Box 800
Rosemaid, California 91770
Attn: Bernard J. Perry
Harvey Coontz

2 ea UNION OIL COMPANY OF CALIFORNIA
P. O. Box 3372
Durango, Colorado 81301
Attn: Clarence Harr

1 ea U. S. G. S.
8416 Federal Building
Salt Lake City, Utah 84111
Attn: Jerry Daniels, Dist. Eng.

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116
Attn: Stanley M. Edwards
Cleon B. Feight, Director

JUN 15 1972

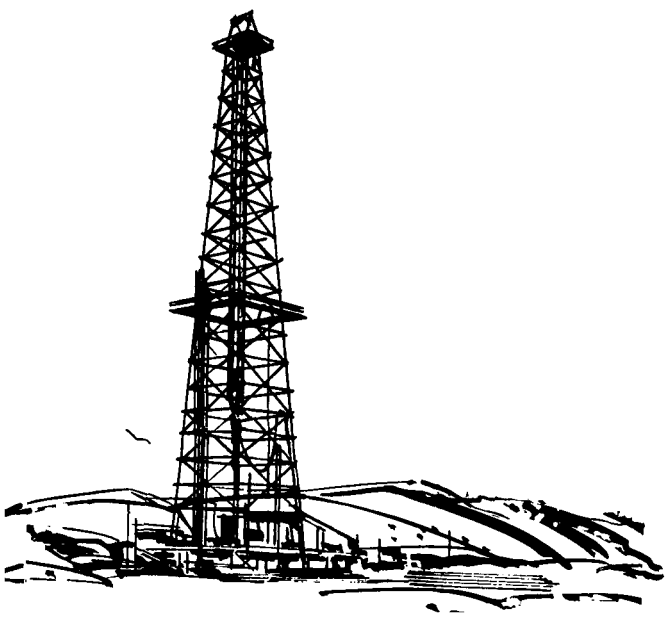


HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable Sealing Element Packers



Formation Testing Service Report

COMPANY	LEASE AND WELL NO.	TEST NO.	DEPTH	DATE OF TEST
CHORNEY OIL COMPANY	South East Flank 1-5	4	9288' to 9348'	June 13, 1972

61-613

LYNES

DRILL STEM TEST SERVICE REPORT

Field: Wildcat Formation: Entrada
Location: NE NE 5 15S 23E
County: Unitah State: Utah
Division: Rocky Mt. District: Casper
Address: Chorney Oil Company
P. O. Box 144, Casper, Wyoming 82601
No. Reports To: See attached lists

Job No. 61-613 Test No. 4 Customer Test No. 4
Net Feet of Pay 15 Elevation 7437' KB; 7426' GL
Test Interval 9288' To 9348' T.D. 9603'
Type Test STRADDLE...Conventional
Customer's Representative Jim Cox, Consult. Eng.
Lynes' Representative Ray Cottrell

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: South East Flank 1-5
TEST NO.: 4
DEPTH: 9288' to 9348'
DATE OF TEST: June 13, 1972
61-613

TESTING TIME

Started in hole at 6-13-72 6:30 A.M.
Initial flow 1 Mins. Initial shut-in - Mins.
Second flow - Mins. Second shut-in - Mins.
Third flow - Mins. Third shut-in - Mins.

TEST DESCRIPTION	TIME
Opened tool for Initial First Flow	
Closed tool for First Shut-In	
Re-opened tool for Second Flow	
Closed tool for Second Shut-In	M I S R U N
Opened for Third Flow	
Closed for Third Shut-In	
Unset	

MUD AND HOLE DATA

Mud Type	Chem. Gel.	Top Packer OD	6-3/4"
Weight	9.3#	Bot Packer OD	6-3/4"
Viscosity	65 sec	Bot Hole Choke Size	1"
Water Loss	6.4 cc.	Bot Hole Temp.	
Filter Cake	2/32"	Caliper Hole Size	7-7/8"
Hole Size	7-7/8"	Rat Hole Size	—
Casing Size	9-5/8"	Set At	
Drill Pipe Size	4½" XH	Weight 16.60#	I.D. 3.826
Drill Collar Size	6-1/4" OD	Feet Run 387'	I.D. 2.750
Cushion	-	Volume	Feet

REMARKS

M I S R U N

Packer seat failed in approximately 1 min
Reset packers, opened tool: seat failed
again.

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT

RECOVERY Test was not reversed out
1176' Ft. of Drilling Mud
Ft. of
Ft. of
Ft. of
Ft. of
Pit Res. Test Res.
Pit Chlorides Test Chlorides

PRESSURE READINGS

DESCRIPTION	Inside # 5155 Cap. 5000# Hrs. 18 Depth 9293'	Outside # 7300 Cap. 6200# Hrs. 18 Depth 9298'	Outside # 6584 Cap. 2000 Hrs. 36 Depth 9598'	Cap. Hrs. Depth
1. Initial Hydrostatic	p.s.i.	p.s.i.	p.s.i.	
2. Initial First Flow	p.s.i.	p.s.i.	p.s.i.	
3. Final First Flow	p.s.i.	p.s.i.	p.s.i.	
4. First Shut-In	p.s.i.	p.s.i.	p.s.i.	
5. Second Initial Flow	p.s.i.	p.s.i.	p.s.i.	
6. Second Final Flow	p.s.i.	p.s.i.	p.s.i.	
7. Second Shut-In	p.s.i.	p.s.i.	p.s.i.	
8. Third Initial Flow	p.s.i.	p.s.i.	p.s.i.	
9. Third Final Flow	p.s.i.	p.s.i.	p.s.i.	
10. Third Shut-In	p.s.i.	p.s.i.	p.s.i.	
11. Final Hydrostatic	p.s.i.	p.s.i.	p.s.i.	

DISTRIBUTION LIST

CHORNEY OIL COMPANY S. E. FLANK - UINTAH 1-5
NE NE 5 15S 23E Uintah County, Utah

3 ea CHORNEY OIL COMPANY Attn: Sam Boltz
P. O. Box 144 Gene O'Brien
Casper, Wyoming 82601 L. "Buck" Stanley

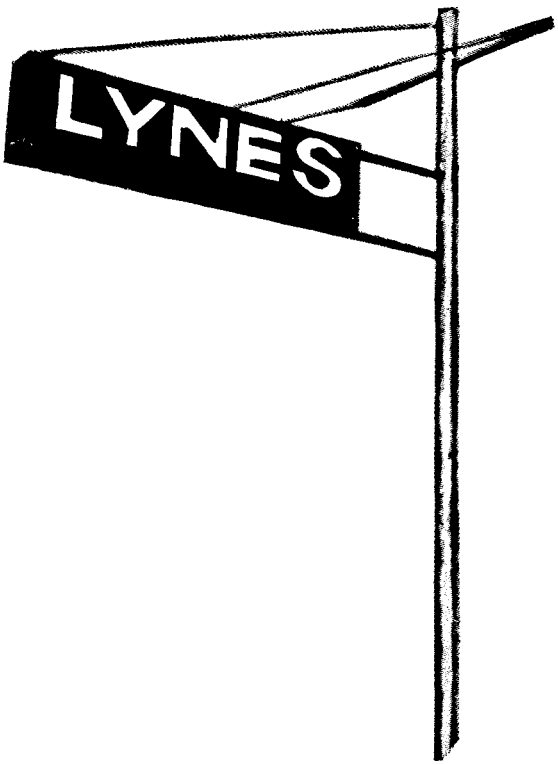
2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105
Attn: Charles Pennypacker Smith
Jerry Kunz

2 ea MONO POWER COMPANY Attn: Bernard J. Perry
P. O. Box 800 Harvey Coontz
Rosemaid, California 91770

2 ea UNION OIL COMPANY OF CALIFORNIA Attn: Clarence Harr
P. O. Box 3372
Durango, Colorado 81301

1 ea U. S. G. S. Attn: Jerry Daniels, Dist. Eng.
8416 Federal Building
Salt Lake City, Utah 84111

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple Attn: Stanley M. Edwards
Salt Lake City, Utah 84116 Cleon B. Feight, Director



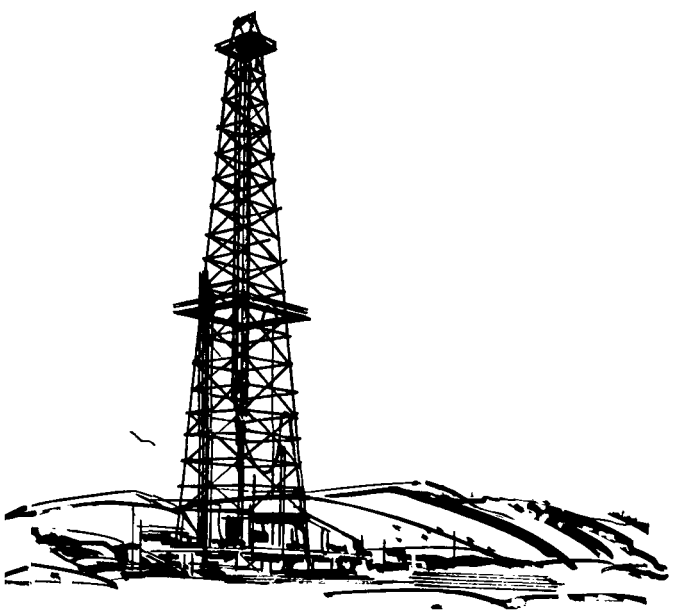
HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

CHORNEY OIL COMPANY | South East Flank 1-5 | 92881 to 93181 | June 13 1972 | 61-613

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable Sealing Element Packers



Formation Testing Service Report

LYNES

DRILL STEM TEST SERVICE REPORT

Field: Wildcat Formation: Entrada
Location: NE NE 5 15S 23E
County: Unitah State: Utah
Division: Rocky Mt. District: Casper
Address: Chorney Oil Company
P. O. Box 144, Casper, Wyoming 82601
No. Reports To: See attached lists

Job No. 61-613 Test No. 4 Customer Test No. 4
Net Feet of Pay 15 Elevation 7437' KB; 7426' GL
Test Interval 9288' To 9348' T.D. 9603'
Type Test STRADDLE...Conventional
Customer's Representative Jim Cox, Consult. Eng.
Lynes' Representative Ray Cottrell

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: South East Flank 1-5
TEST NO.: 4
DEPTH: 9288' to 9348'
DATE OF TEST: June 13, 1972
61-613

TESTING TIME

Started in hole at 6-13-72 6:30 A.M.
Initial flow 1 Mins. Initial shut-in – Mins.
Second flow – Mins. Second shut-in – Mins.
Third flow – Mins. Third shut-in – Mins.

TEST DESCRIPTION	TIME
Opened tool for Initial First Flow	
Closed tool for First Shut-In	
Re-opened tool for Second Flow	
Closed tool for Second Shut-In	M I S R U N
Opened for Third Flow	
Closed for Third Shut-In	
Unset	

MUD AND HOLE DATA

Mud Type	Chem. Gel.	Top Packer OD	6-3/4"
Weight	9.3#	Bot Packer OD	6-3/4"
Viscosity	65 sec	Bot Hole Choke Size	1"
Water Loss	6.4 cc.	Bot Hole Temp.	
Filter Cake	2/32"	Caliper Hole Size	7-7/8"
Hole Size	7-7/8"	Rat Hole Size	—
Casing Size	9-5/8"	Set At	
Drill Pipe Size	4½" XH	Weight 16.60#	I.D. 3.826
Drill Collar Size	6-1/4" OD	Feet Run 387'	I.D. 2.750
Cushion	–	Volume	Feet

REMARKS

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Reset packers, opened tool: seat failed
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TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT

RECOVERY Test was not reversed out
1176' Ft. of Drilling Mud
Ft. of
Ft. of
Ft. of
Ft. of
Pit Res. Test Res.
Pit Chlorides Test Chlorides

PRESSURE READINGS

DESCRIPTION	Inside # 5155	Outside # 7300	Outside # 6584	
	Cap. 5000# Hrs. 18	Cap. 6200# Hrs. 18	Cap. 2000 Hrs. 36	Cap. Hrs.
	Depth 9293'	Depth 9298'	Depth 9598'	Depth
1. Initial Hydrostatic	p.s.i.	p.s.i.	p.s.i.	
2. Initial First Flow	p.s.i.	p.s.i.	p.s.i.	
3. Final First Flow	p.s.i.	p.s.i.	p.s.i.	
4. First Shut-In	p.s.i.	p.s.i.	p.s.i.	
5. Second Initial Flow	p.s.i.	p.s.i.	p.s.i.	
6. Second Final Flow	p.s.i.	p.s.i.	p.s.i.	
7. Second Shut-In	p.s.i.	p.s.i.	p.s.i.	
8. Third Initial Flow	p.s.i.	p.s.i.	p.s.i.	
9. Third Final Flow	p.s.i.	p.s.i.	p.s.i.	
10. Third Shut-In	p.s.i.	p.s.i.	p.s.i.	
11. Final Hydrostatic	p.s.i.	p.s.i.	p.s.i.	

DISTRIBUTION LIST

CHORNEY OIL COMPANY
NE NE 5 15S 23E

S. E. FLANK - UINTAH 1-5
Uintah County, Utah

3 ea CHORNEY OIL COMPANY
P. O. Box 144
Casper, Wyoming 82601

Attn: Sam Boltz
Gene O'Brien
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Attn: Charles Pennypacker Smith
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Attn: Bernard J. Perry
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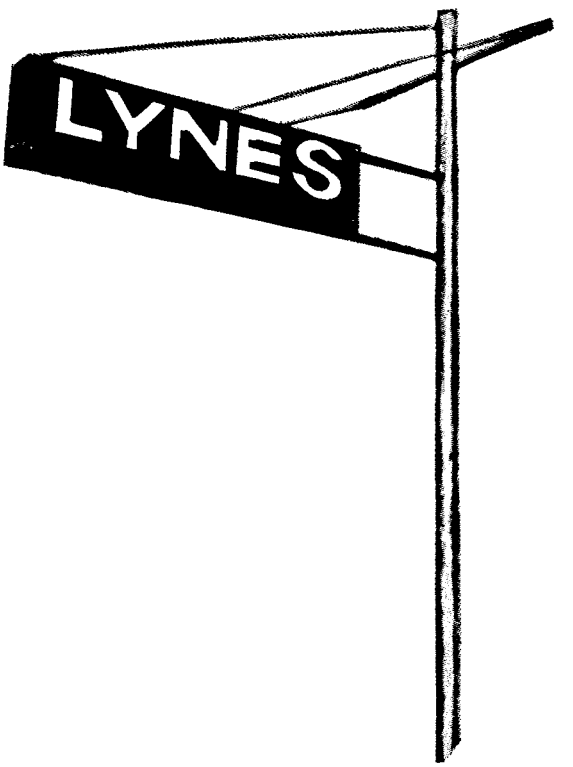
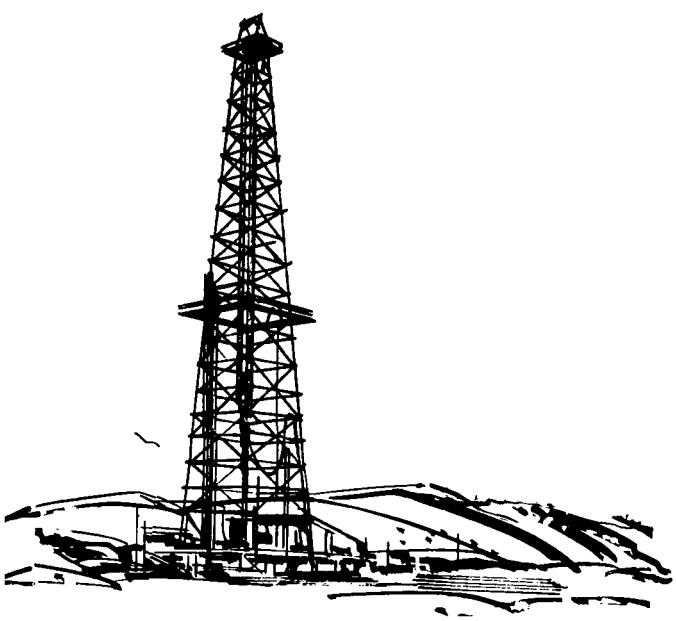


HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable Sealing Element Packers

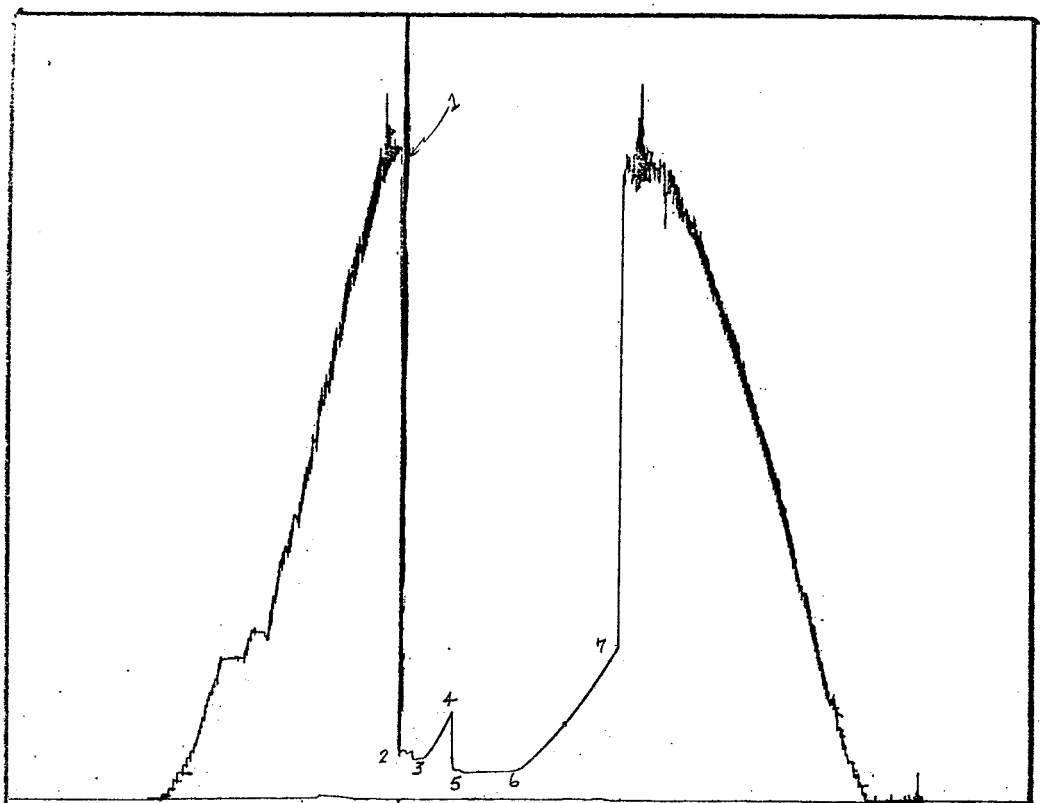


Formation Testing Service Report

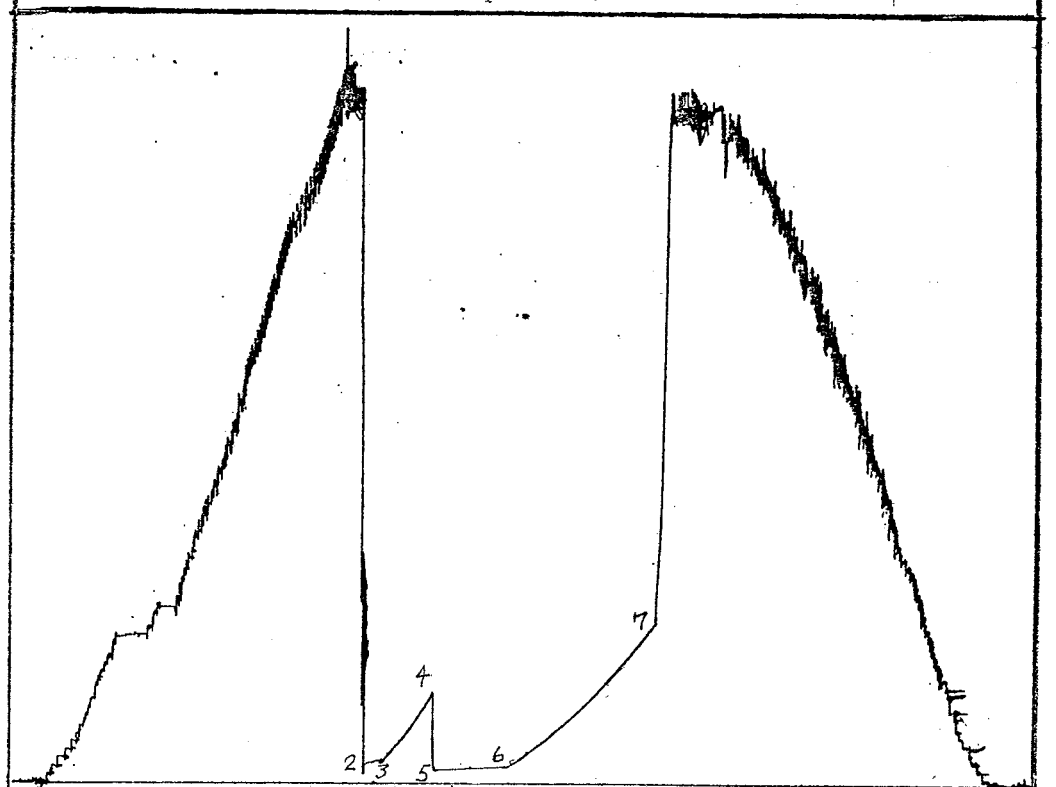
CHORNEY OIL COMPANY | South East Flank 1-5 | 5 | 9533' to 9603' | June 14, 1972 | 61-614

CHORNEY OIL COMPANY
NE NE 5 15S 23E
Test # 5

South East Flank Uintah #1-5
Uintah County, Utah
Job No. 61-614



INSIDE CHART #7300 Depth 9541' 18 hr. Clock



OUTSIDE CHART #6584 Depth 9602' 18 hr. Clock

LYNES

DRILL STEM TEST SERVICE REPORT

Field: Wildcat Formation: Entrada
Location: NE NE 5 15S 23E
County: Unitah State: Utah
Division: Rocky Mt. District: Casper, Wyoming
Address: Chorney Oil Company
P. O. Box 144, Casper, Wyoming 82601
No. Reports To: See attached distribution list.

Job No. 61-614 Test No. 5 Customer Test No. 5
Net Feet of Pay 10' Elevation 7437' KB; 7426' GL
Test Interval 9539' To 9603' T.D. 9603
Type Test CONVENTIONAL
Customer's Representative Jim Cox
Lynes' Representative Ray Cottrell

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: South East Flank 1-5
TEST NO.: 5
DEPTH: 9533' to 9603'
DATE OF TEST: June 14, 1972
61-614

TESTING TIME

Started in hole at 6-14-72 5:00 A.M.
Initial flow 15 Mins. Initial shut-in 30 Mins.
Second flow 45 Mins. Second shut-in 90 Mins.
Third flow ____ Mins. Third shut-in ____ Mins.

TEST DESCRIPTION	TIME
Opened tool for Initial First Flow	8:23 A.M.
Closed tool for First Shut-In	8:38 A.M.
Re-opened tool for Second Flow	9:08 A.M.
Closed tool for Second Shut-In	9:53 A.M.
Opened for Third Flow	
Closed for Third Shut-In	
Unset	11:13 A.M.

MUD AND HOLE DATA

Mud Type	Chem. Gel	Top Packer OD	6-3/4"
Weight	9.3 #	Bot Packer OD	6-3/4"
Viscosity	65 sec	Bot Hole Choke Size	1"
Water Loss	6.0 cc	Bot Hole Temp.	190°F
Filter Cake	2/32"	Caliper Hole Size	8-1/4"
Hole Size	7-7/8"	Rat Hole Size	—
Casing Size	13-5/8"	Set At	512'
Drill Pipe Size	4½" XH	Weight	16.60# I.D. 3.826
Drill Collar Size	6-1/4" OD	Feet Run	660' I.D. 2.500
Cushion		Volume	Feet

REMARKS

1ST FLOW: Opened with a weak blow which died in 6 mins.

2ND FLOW: Opened tool with medium blow building to a very strong blow in 45 mins.

(*) Some plugging on the initial portion of both Flow periods.

SAMPLER
1200 cc Heavily gas-cut Mud
.1 cu. ft. gas

NOTE pronounced after-flow effects on the shut-in curves.

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT

RECOVERY Test was not reversed out
120 Ft. of Slightly Gas-cut Mud
Ft. of
Ft. of
Ft. of
Ft. of
Pit Res. Test Res. 1.5 Ohm @ 70°F
Pit Chlorides 750 PPM Test Chlorides 4,000

PRESSURE READINGS

DESCRIPTION	Inside # 7300 Cap. 6200 # Hrs. 18 Depth 9541'	Outside # 6584 Cap. 8000 # Hrs. 18 Depth 9602'	Cap. Hrs. Depth	Cap. Hrs. Depth
1. Initial Hydrostatic	4613 p.s.i.	4650 p.s.i.	p.s.i.	
2. Initial First Flow	328* p.s.i.	138 p.s.i.	p.s.i.	
3. Final First Flow	290 p.s.i.	154 p.s.i.	p.s.i.	
4. First Shut-In	603 p.s.i.	583 p.s.i.	p.s.i.	
5. Second Initial Flow	206* p.s.i.	87 p.s.i.	p.s.i.	
6. Second Final Flow	201 p.s.i.	115 p.s.i.	p.s.i.	
7. Second Shut-In	1058 p.s.i.	1055 p.s.i.	p.s.i.	
8. Third Initial Flow	p.s.i.	p.s.i.	p.s.i.	
9. Third Final Flow	p.s.i.	p.s.i.	p.s.i.	
10. Third Shut-In	p.s.i.	p.s.i.	p.s.i.	
11. Final Hydrostatic	4613 p.s.i.	4650 p.s.i.	p.s.i.	

PRESSURE BUILD UP — INCREMENTAL READING DATA

COMPANY CHORNEY OIL COMPANY
WELL NAME & NO South East Flank 1-5
LOCATION NE NE 5 15S 23E Uintah County, Utah
D.S.T. NO. 5 INTERVAL TESTED 9533' to 9603' FORMATION Entrada

RECORDER NO. 6584 DEPTH 9602' CLOCK 18 Hrs. JOB NO. 61-614

First Flow Period		Initial Shut In Pressure			Second Flow Period		Final Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	138	.010		198	.000	87	.030		173
.040	154	.020		240	.030	93	.060		240
		.030		266	.060	99	.090		314
		.050		310	.090	106	.120		394
		.060		397	.120	109	.150		481
		.070		449	.150	115	.180		580
		.080		500			.210		686
		.090		554			.240		801
		.095		583			.270		926
							.302		1055

RECORDER NO. 7300 DEPTH 9541 CLOCK 18 Hrs. JOB NO. 61-614

First FLOW Period		Initial Shut In Pressure			Second Flow Period		Final Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	328	.007		308	.000	206	.029		223
.063	290	.014		330	.033	189	.058		288
		.021		352	.066	191	.087		362
		.028		385	.099	194	.116		442
		.035		409	.132	194	.145		529
		.042		444	.165	201	.174		620
		.049		481			.203		720
		.056		519			.232		826
		.063		556			.261		943
		.070		603			.289		1058

SPECIAL PRESSURE DATA

DISTRIBUTION LIST

CHORNEY OIL COMPANY S. E. FLANK - UINTAH 1-5
NE NE 5 15S 23E Uintah County, Utah

3 ea CHORNEY OIL COMPANY Attn: Sam Boltz
P. O. Box 144 Gene O'Brien
Casper, Wyoming 82601 L. "Buck" Stanley

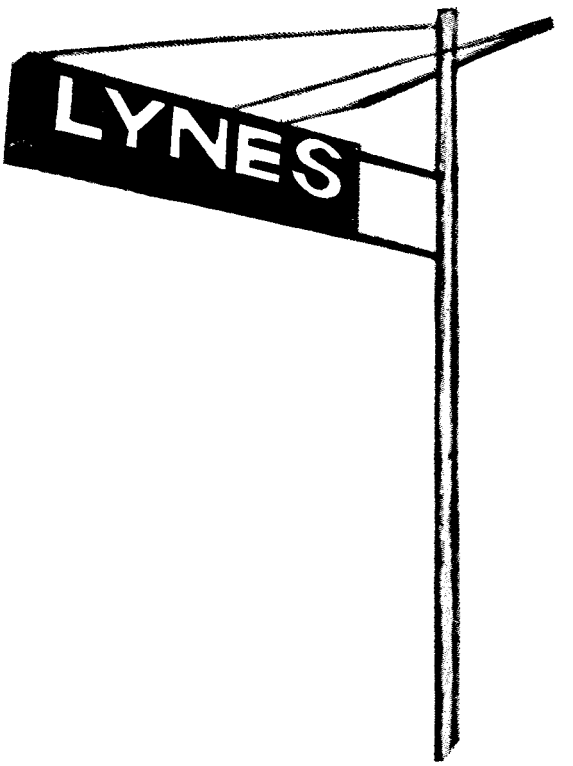
2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105
Attn: Charles Pennypacker Smith
Jerry Kunz

2 ea MONO POWER COMPANY Attn: Bernard J. Perry
P. O. Box 800 Harvey Coontz
Rosemaid, California 91770

2 ea UNION OIL COMPANY OF CALIFORNIA Attn: Clarence Harr
P. O. Box 3372
Durango, Colorado 81301

1 ea U. S. G. S. Attn: Jerry Daniels, Dist. Eng.
8416 Federal Building
Salt Lake City, Utah 84111

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple Attn: Stanley M. Edwards
Salt Lake City, Utah 84116 Cleon B. Feight, Director



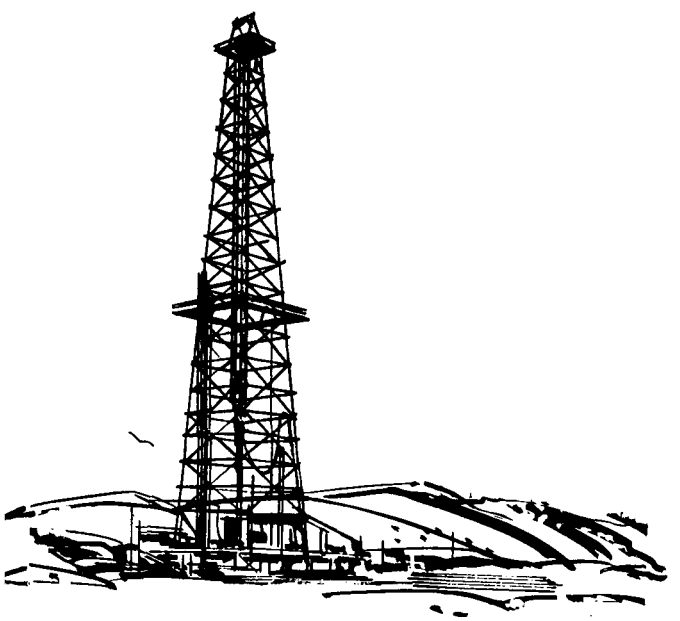
HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

CHORNEY OIL COMPANY | South East Flank 1-5 | 5 | 9533' to 9603' | June 14, 1972 | 61-631

LYNES

BRIGHT NAME IN THE OIL PATCH

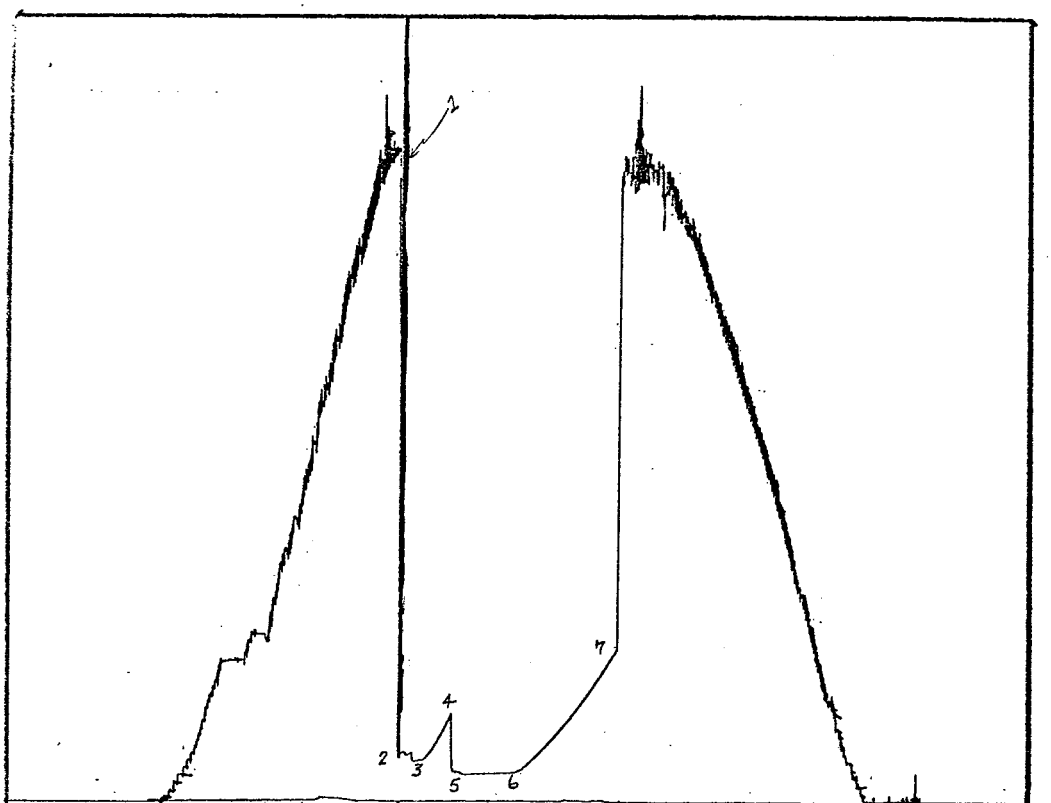
Inflatable Sealing Element Packers



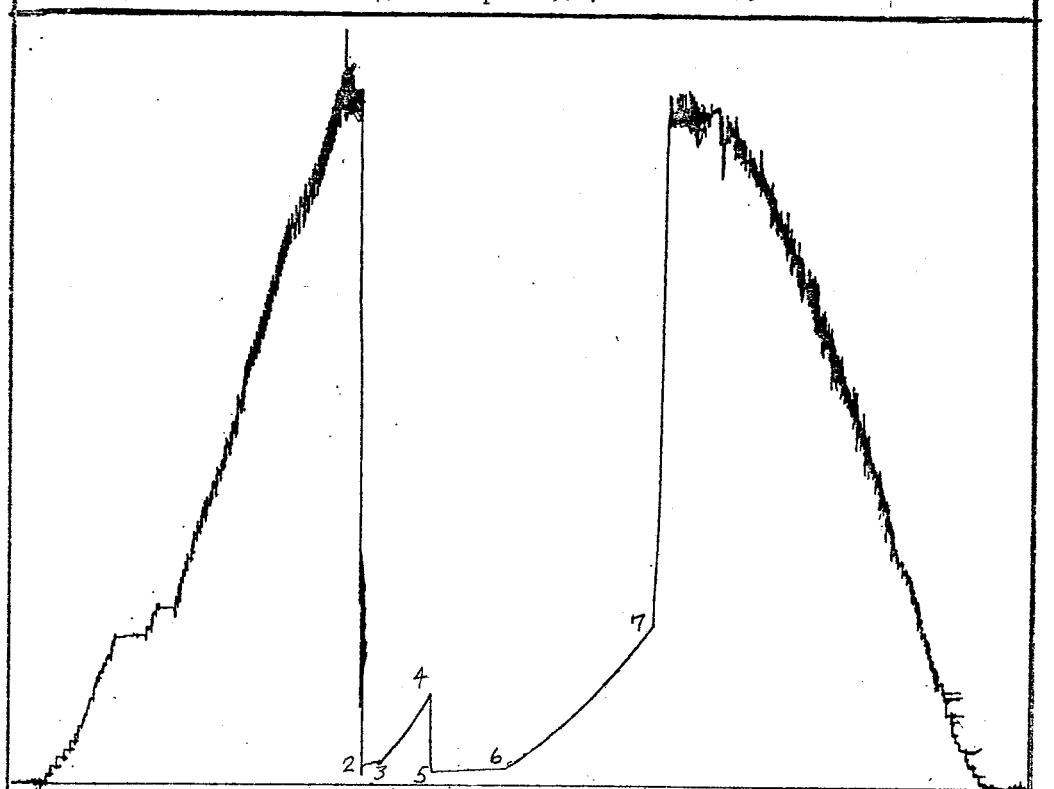
Formation Testing Service Report

CHORNEY OIL COMPANY
NE NE 5 15S 23E
Test # 5

South East Flank Uintah #1-5
Uintah County, Utah
Job No. 61-614



INSIDE CHART #7300 Depth 9541' 18 hr. Clock



OUTSIDE CHART #6584 Depth 9602' 18 hr. Clock

LYNES

DRILL STEM TEST SERVICE REPORT

Field Wildcat Formation Entrada
Location NE NE 5 15S 23E
County Unitah State Utah
Division Rocky Mt. District Casper, Wyoming
Address Chorney Oil Company
P. O. Box 144, Casper, Wyoming 82601
No. Reports To: See attached distribution list.

Job No. 61-614 Test No. 5 Customer Test No. 5
Net Feet of Pay 10' Elevation 7437' KB; 7426' GL
Test Interval 9539' To 9603' T.D. 9603
Type Test CONVENTIONAL
Customer's Representative Jim Cox
Lynes' Representative Ray Cottrell

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: South East Flank 1-5
TEST NO.: 5
DEPTH: 9533' to 9603'
DATE OF TEST: June 14, 1972
61-614

TESTING TIME

Started in hole at 6-14-72 5:00 A.M.
Initial flow 15 Mins. Initial shut-in 30 Mins.
Second flow 45 Mins. Second shut-in 90 Mins.
Third flow ____ Mins. Third shut-in ____ Mins.

TEST DESCRIPTION	TIME
Opened tool for Initial First Flow	8:23 A.M.
Closed tool for First Shut-In	8:38 A.M.
Re-opened tool for Second Flow	9:08 A.M.
Closed tool for Second Shut-In	9:53 A.M.
Opened for Third Flow	
Closed for Third Shut-In	
Unset	11:13 A.M.

MUD AND HOLE DATA

Mud Type	Chem. Gel	Top Packer OD	6-3/4"
Weight	9.3 #	Bot Packer OD	6-3/4"
Viscosity	65 sec	Bot Hole Choke Size	1"
Water Loss	6.0 cc	Bot Hole Temp.	190°F
Filter Cake	2/32"	Caliper Hole Size	8-1/4"
Hole Size	7-7/8"	Rat Hole Size	—
Casing Size	13-5/8"	Set At	512'
Drill Pipe Size	4½" XH	Weight 16.60#	I.D. 3.826
Drill Collar Size	6-1/4" OD	Feet Run 660'	I.D. 2.500
Cushion	Volume	Feet	

REMARKS

1ST FLOW: Opened with a weak blow which died in 6 mins.

2ND FLOW: Opened tool with medium blow building to a very strong blow in 45 mins.

(*) Some plugging on the initial portion of both Flow periods.

SAMPLER
1200 cc Heavily gas-cut Mud
.1 cu. ft. gas
NOTE pronounced after-flow effects on the shut-in curves.

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT

RECOVERY Test was not reversed out
120 Ft. of Slightly Gas-cut Mud
Ft. of
Ft. of
Ft. of
Ft. of
Pit Res. Test Res. 1.5 Ohm @ 70°F
Pit Chlorides 750 PPM Test Chlorides 4,000

PRESSURE READINGS

DESCRIPTION	Inside # 7300 Cap. 6200 # Hrs. 18 Depth 9541'	Outside # 6584 Cap. 8000 # Hrs. 18 Depth 9602'	Cap. Hrs. Depth	Cap. Hrs. Depth
1. Initial Hydrostatic	4613 p.s.i.	4650 p.s.i.	p.s.i.	
2. Initial First Flow	328* p.s.i.	138 p.s.i.	p.s.i.	
3. Final First Flow	290 p.s.i.	154 p.s.i.	p.s.i.	
4. First Shut-In	603 p.s.i.	583 p.s.i.	p.s.i.	
5. Second Initial Flow	206* p.s.i.	87 p.s.i.	p.s.i.	
6. Second Final Flow	201 p.s.i.	115 p.s.i.	p.s.i.	
7. Second Shut-In	1058 p.s.i.	1055 p.s.i.	p.s.i.	
8. Third Initial Flow	p.s.i.	p.s.i.	p.s.i.	
9. Third Final Flow	p.s.i.	p.s.i.	p.s.i.	
10. Third Shut-In	p.s.i.	p.s.i.	p.s.i.	
11. Final Hydrostatic	4613 p.s.i.	4650 p.s.i.	p.s.i.	

PRESSURE BUILD UP—INCREMENTAL READING DATA

COMPANY CHORNEY OIL COMPANY
WELL NAME & NO. South East Flank 1-5
LOCATION NE NE 5 15S 23E Uintah County, Utah
D.S.T. NO. 5 INTERVAL TESTED 9533' to 9603' FORMATION Entrada

RECORDER NO. 6584 DEPTH 9602' CLOCK 18 Hrs. JOB NO. 61-614

First Flow Period		Initial Shut In Pressure			Second Flow Period		Final Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	138	.010		198	.000	87	.030		173
.040	154	.020		240	.030	93	.060		240
		.030		266	.060	99	.090		314
		.050		310	.090	106	.120		394
		.060		397	.120	109	.150		481
		.070		449	.150	115	.180		580
		.080		500			.210		686
		.090		554			.240		801
		.095		583			.270		926
							.302		1055

RECORDER NO. 7300 DEPTH 9541 CLOCK 18 Hrs. JOB NO. 61-614

First FLOW Period		Initial Shut In Pressure			Second Flow Period		Final Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	328	.007		308	.000	206	.029		223
.063	290	.014		330	.033	189	.058		288
		.021		352	.066	191	.087		362
		.028		385	.099	194	.116		442
		.035		409	.132	194	.145		529
		.042		444	.165	201	.174		620
		.049		481			.203		720
		.056		519			.232		826
		.063		556			.261		943
		.070		603			.289		1058

SPECIAL PRESSURE DATA

DISTRIBUTION LIST

CHORNEY OIL COMPANY
NE NE 5 15S 23E

S. E. FLANK - UINTAH 1-5
Uintah County, Utah

3 ea CHORNEY OIL COMPANY
P. O. Box 144
Casper, Wyoming 82601

Attn: Sam Boltz
Gene O'Brien
L. "Buck" Stanley

2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105

Attn: Charles Pennypacker Smith
Jerry Kunz

2 ea MONO POWER COMPANY
P. O. Box 800
Rosemaid, California 91770

Attn: Bernard J. Perry
Harvey Coontz

2 ea UNION OIL COMPANY OF CALIFORNIA
P. O. Box 3372
Durango, Colorado 81301

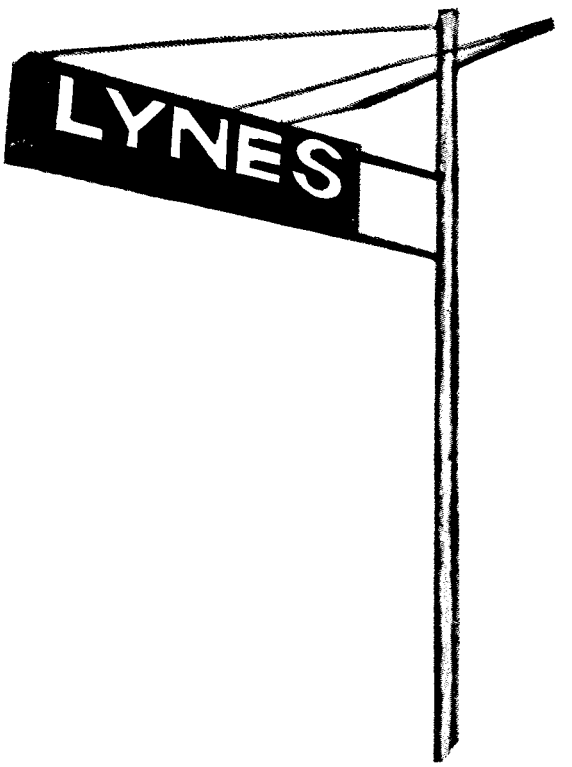
Attn: Clarence Harr

1 ea U. S. G. S.
8416 Federal Building
Salt Lake City, Utah 84111

Attn: Jerry Daniels, Dist. Eng.

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

Attn: Stanley M. Edwards
Cleon B. Feight, Director

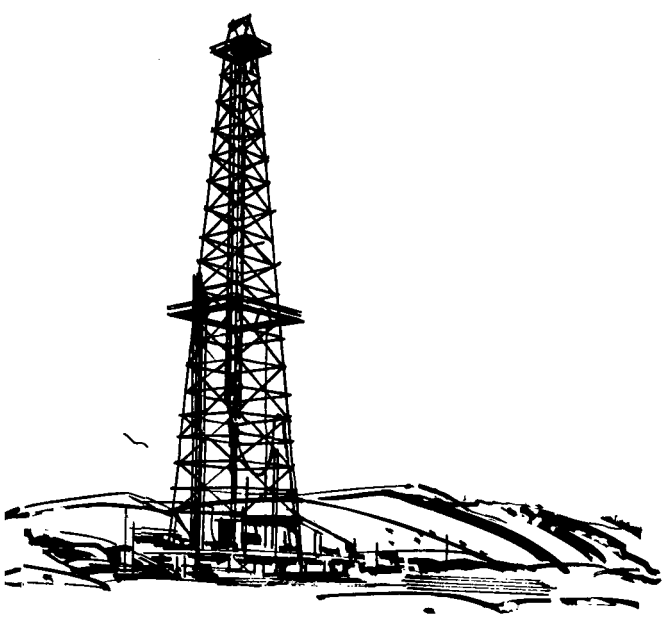


HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

LYNES

BRIGHT NAME IN THE OIL PATCH

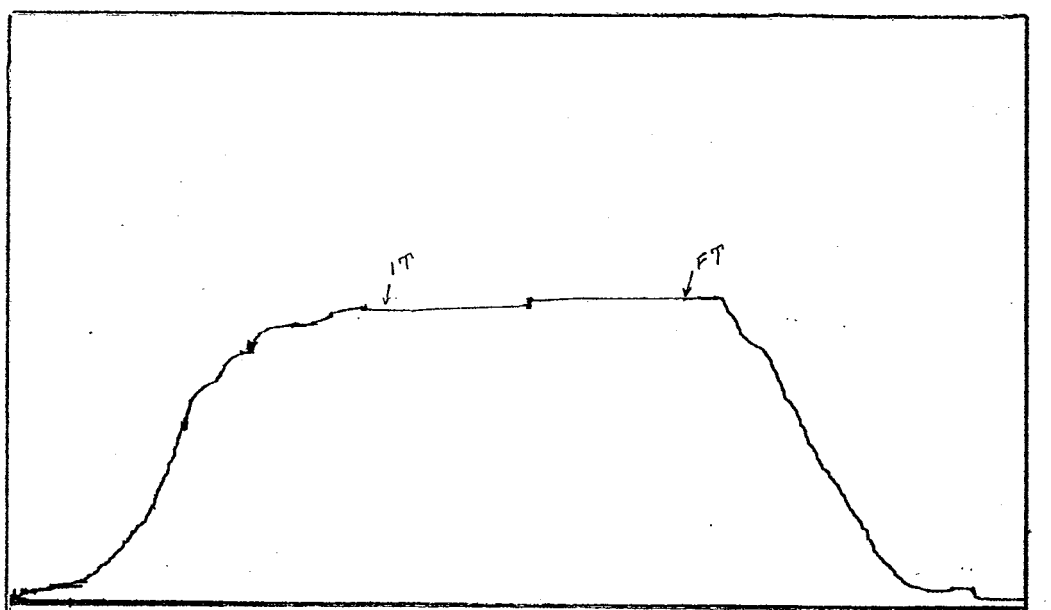
Inflatable Sealing Element Packers



Formation Testing Service Report

COMPANY	LEASE AND WELL NO.	TEST NO.	DEPTH	DATE OF TEST	
CHORNEY OIL COMPANY	South East Flank Uintah #1-5	6	9296' to 9465'	June 15, 1972	61-616

CHORNEY OIL COMPANY South East Flank Uintah #1-5
NE NE 15 15S 23E Uintah County, Utah
Test # 6 Job No. 61-616



TEMP CHART # 6651 Depth 9304' 18 hr. Clock

LYNES

DRILL STEM TEST SERVICE REPORT

Field: Wildcat Formation: Entrada
Location: NE NE 15 15S 23E
County: Uintah State: Utah
Division: Rocky Mt. District: Casper, Wyoming
Address: Chorney Oil Company
Box 144, Casper, Wyoming 82601
No. Reports To: See attached list for distribution

Job No. 61-616 Test No. 6 Customer Test No. 6
Net Feet of Pay 28' Elevation 7426' GL; 7437 KB
Test Interval 8296' To 9465' T.D. 9603'
Type Test: STRADDLE....Inflatable Packers
Customer's Representative: Jim Cox
Lynes' Representative: James Holmes

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: South East Flank Uintah #1-5
TEST NO.: 6
DEPTH: 9296' to 9465'
DATE OF TEST: June 15, 1972
61-616

TESTING TIME

Started in hole at 4:30 P.M. 6-14-72
Initial flow 15 Mins. Initial shut-in 30 Mins.
Second flow 150 Mins. Second shut-in 120 Mins.
Third flow ____ Mins. Third shut-in ____ Mins.

TEST DESCRIPTION		TIME
Opened tool for Initial First Flow	6-15-72	2:39 AM
Closed tool for First Shut-In		2:54 AM
Re-opened tool for Second Flow		3:25 AM
Closed tool for Second Shut-In		5:55 AM
Opened for Third Flow	M I S R U N	
Closed for Third Shut-In		
Finish Shut-in		7:55 A.M.
Unset		8:20 A.M.

MUD AND HOLE DATA

Mud Type	Gel. & Chem.	Top Packer OD	7"
Weight	9.2 #	Bot Packer OD	7"
Viscosity	47 sec	Bot Hole Choke Size	1"
Water Loss	6.0 cc	Bot Hole Temp.	203.4°F
Filter Cake	2/32"	Caliper Hole Size	9" & 9.5"
Hole Size	7-7/8"	Rat Hole Size	--
Casing Size	13-3/8"	Set At	512'
Drill Pipe Size	4½" XH	Weight	16.60# I.D. 3.826
Drill Collar Size	6-1/4"	Feet Run	509' I.D. 2.500
Cushion		Volume	Feet

REMARKS

M I S R U N---Due to failure of BOTH Clocks.

FIRST FLOW: Opened with a weak blow (4" under water) and increased to 10" under water.
The Packers were set 31' too high so we moved down the hole and re-inflated.

FIRST FLOW: Opened with a very weak blow (1" under water)

SECOND FLOW: Opened with a very weak blow (2" under water) and increased to a good blow (12" under water) Remained strong throughout the test.

NO GAS TO SURFACE: SAMPLER RECOVERED 200 cc of gas-cut drilling Mud @ 15 PSIG.

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT

RECOVERY Test was not reversed out
320 Ft. of Slightly Gas-cut Drilling Mud
Ft. of
Ft. of
Ft. of
Ft. of
Pit Res. 2.0 Ohm @ 70°F Test Res. 2.0 Ohm @ 78°F
Pit Chlorides 750 PPM Test Chlorides 750 PPM

PRESSURE READINGS

DESCRIPTION	Inside # 7300 Cap. 6200# Hrs. 18 Depth 9256'	Outside # 6584 Cap. 8000 # Hrs. 18 Depth 9304'	Cap. Hrs. Depth	Temp # 6651 Cap. Hrs. 18 Depth 9304'
1. Initial Hydrostatic	p.s.i.	p.s.i.	p.s.i.	
2. Initial First Flow	p.s.i.	p.s.i.	p.s.i.	
3. Final First Flow	p.s.i.	p.s.i.	p.s.i.	
4. First Shut-In	p.s.i.	p.s.i.	p.s.i.	
5. Second Initial Flow	p.s.i.	p.s.i.	p.s.i.	
6. Second Final Flow	p.s.i.	p.s.i.	p.s.i.	
7. Second Shut-In	p.s.i.	p.s.i.	p.s.i.	
8. Third Initial Flow	p.s.i.	p.s.i.	p.s.i.	
9. Third Final Flow	p.s.i.	p.s.i.	p.s.i.	
10. Third Shut-In	p.s.i.	p.s.i.	p.s.i.	
11. Final Hydrostatic	p.s.i.	p.s.i.	p.s.i.	

CLOCK STOPPED CLOCK STOPPED

DISTRIBUTION LIST

CHORNEY OIL COMPANY S. E. FLANK - UINTAH 1-5
NE NE 5 15S 23E Uintah County, Utah

3 ea CHORNEY OIL COMPANY Attn: Sam Boltz
P. O. Box 144 Gene O'Brien
Casper, Wyoming 82601 L. "Buck" Stanley

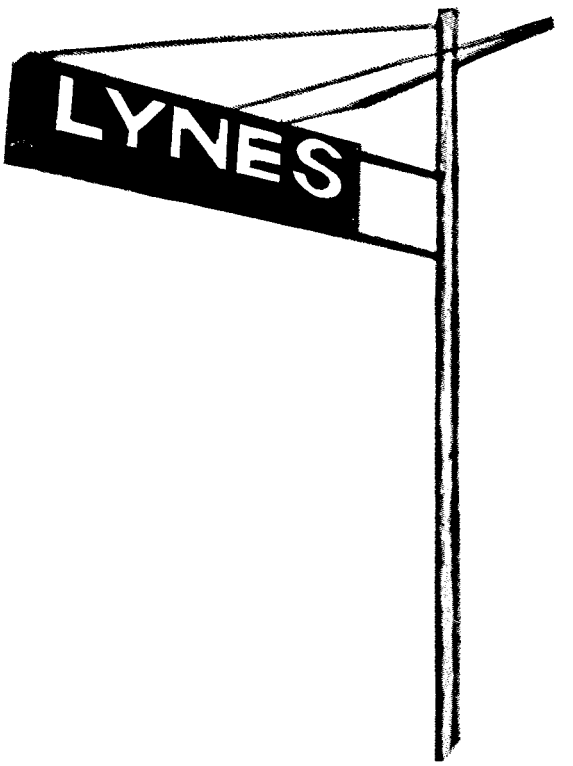
2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105
Attn: Charles Pennypacker Smith
Jerry Kunz

2 ea MONO POWER COMPANY Attn: Bernard J. Perry
P. O. Box 800 Harvey Coontz
Rosemaid, California 91770

2 ea UNION OIL COMPANY OF CALIFORNIA Attn: Clarence Harr
P. O. Box 3372
Durango, Colorado 81301

1 ea U. S. G. S. Attn: Jerry Daniels, Dist. Eng.
8416 Federal Building
Salt Lake City, Utah 84111

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple Attn: Stanley M. Edwards
Salt Lake City, Utah 84116 Cleon B. Feight, Director

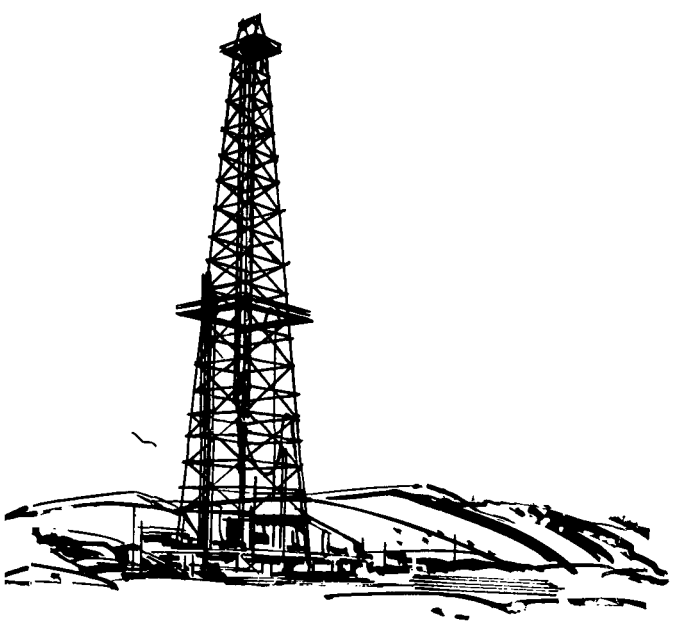


HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable Sealing Element Packers

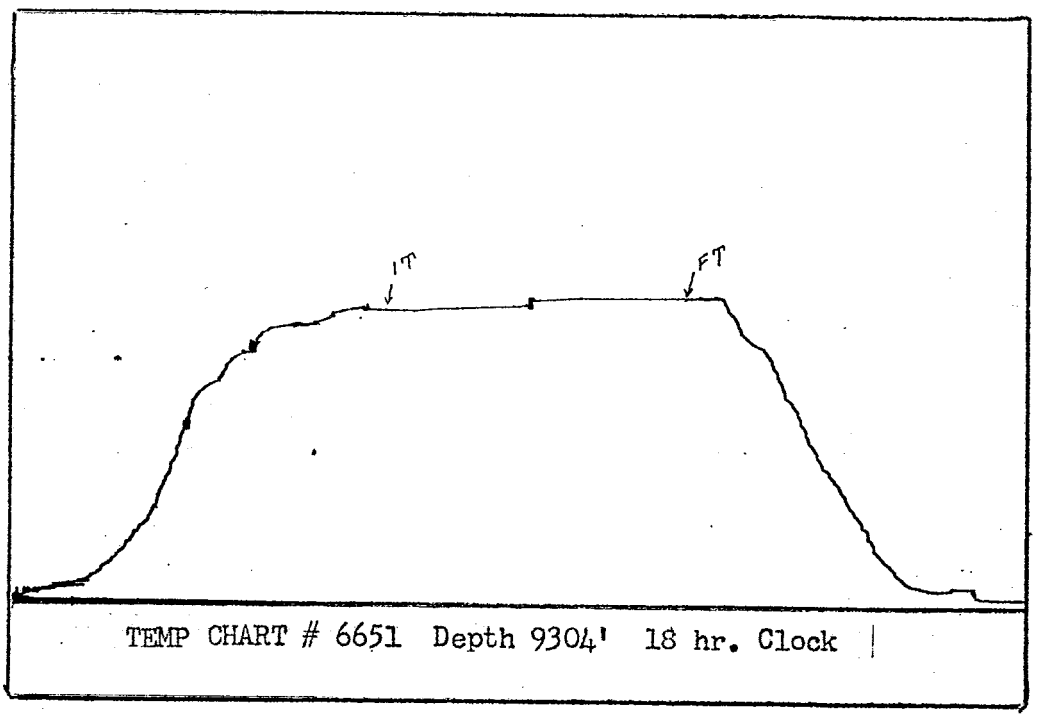


Formation Testing Service Report

CHORNEY OIL COMPANY South East Blanh Uintah #1-5 4 02061 to 01651 June 15 1979 67 636

CHORNEY OIL COMPANY
NE NE 15 15S 23E
Test # 6

South East Flank Uintah #1-5
Uintah County, Utah
Job No. 61-616



LYNES

DRILL STEM TEST SERVICE REPORT

Field: Wildcat | Formation: Entrada | Job No. 61-616 | Test No. 6 | Customer Test No. 6

Location: NE NE 15 15S 23E | Net Feet of Pay: 28' | Elevation: 7426' GL; 7437 KB

County: Uintah | State: Utah | Test Interval: 8296' To 9465' | T.D. 9603'

Division: Rocky Mt. | District: Casper, Wyoming | Type Test: STRADDLE....Inflatable Packers

Address: Chorney Oil Company | Customer's Representative: Jim Cox

Box 144, Casper, Wyoming 82601 | Lynes' Representative: James Holmes

No. Reports To: See attached list for distribution

COMPANY: CHORNEY OIL COMPANY

LEASE AND WELL NO.: South East Flank Uintah #1-5

TEST NO.: 6

DEPTH: 9296' to 9465'

DATE OF TEST: June 15, 1972

61-616

TESTING TIME

Started in hole at 4:30 P.M. 6-14-72

Initial flow 15 Mins. Initial shut-in 30 Mins.

Second flow 150 Mins. Second shut-in 120 Mins.

Third flow _____ Mins. Third shut-in _____ Mins.

TEST DESCRIPTION		TIME
Opened tool for Initial First Flow	6-15-72	2:39 AM
Closed tool for First Shut-In		2:54 AM
Re-opened tool for Second Flow		3:25 AM
Closed tool for Second Shut-In		5:55 AM
Opened for Third Flow	M I S R U N	
Closed for Third Shut-In		
Finish Shut-in		7:55 A.M.
Unset		8:20 A.M.

MUD AND HOLE DATA

Mud Type	Gel. & Chem.	Top Packer OD	7"
Weight	9.2 #	Bot Packer OD	7"
Viscosity	47 sec	Bot Hole Choke Size	1"
Water Loss	6.0 cc	Bot Hole Temp.	203.4°F
Filter Cake	2/32"	Caliper Hole Size	9" & 9.5"
Hole Size	7-7/8"	Rat Hole Size	—
Casing Size	13-3/8"	Set At	512'
Drill Pipe Size	4½" XH	Weight	16.60# I.D. 3.826
Drill Collar Size	6-1/4"	Feet Run	509' I.D. 2.500
Cushion		Volume	Feet

REMARKS

M I S R U N---Due to failure of BOTH Clocks.

FIRST FLOW: Opened with a weak blow (4" under water) and increased to 10" under water.

The Packers were set 31' too high so we moved down the hole and re-inflated.

FIRST FLOW: Opened with a very weak blow (1" under water)

SECOND FLOW: Opened with a very weak blow (2" under water) and increased to a good blow (12" under water) Remained strong throughout the test.

NO GAS TO SURFACE: SAMPLER RECOVERED 200 cc of gas-cut drilling Mud @ 15 PSIG.

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT

RECOVERY Test was not reversed out

320 Ft. of Slightly Gas-cut Drilling Mud

Ft. of

Ft. of

Ft. of

Ft. of

Pit Res. 2.0 Ohm @ 70°F Test Res. 2.0 Ohm @ 78°F

Pit Chlorides 750 PPM Test Chlorides 750 PPM

PRESSURE READINGS

DESCRIPTION	Inside # 7300 Cap. 6200# Hrs. 18 Depth 9256'	Outside # 6584 Cap. 8000 # Hrs. 18 Depth 9304'	Cap. Hrs. Depth	Temp # 6651 Cap. Hrs. 18 Depth 9304'
1. Initial Hydrostatic	p.s.i.	p.s.i.	p.s.i.	
2. Initial First Flow	p.s.i.	p.s.i.	p.s.i.	
3. Final First Flow	CLOCK STOPPED p.s.i.	CLOCK STOPPED p.s.i.	p.s.i.	
4. First Shut-In	p.s.i.	p.s.i.	p.s.i.	
5. Second Initial Flow	p.s.i.	p.s.i.	p.s.i.	
6. Second Final Flow	p.s.i.	p.s.i.	p.s.i.	
7. Second Shut-In	p.s.i.	p.s.i.	p.s.i.	
8. Third Initial Flow	p.s.i.	p.s.i.	p.s.i.	
9. Third Final Flow	p.s.i.	p.s.i.	p.s.i.	
10. Third Shut-In	p.s.i.	p.s.i.	p.s.i.	
11. Final Hydrostatic	p.s.i.	p.s.i.	p.s.i.	

DISTRIBUTION LIST

CHORNEY OIL COMPANY
NE NE 5 15S 23E

S. E. FLANK - UINTAH 1-5
Uintah County, Utah

3 ea CHORNEY OIL COMPANY
P. O. Box 144
Casper, Wyoming 82601

Attn: Sam Boltz
Gene O'Brien
L. "Buck" Stanley

2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105

Attn: Charles Pennypacker Smith
Jerry Kunz

2 ea MONO POWER COMPANY
P. O. Box 800
Rosemaid, California 91770

Attn: Berrard J. Perry
Harvey Coontz

2 ea UNION OIL COMPANY OF CALIFORNIA
P. O. Box 3372
Durango, Colorado 81301

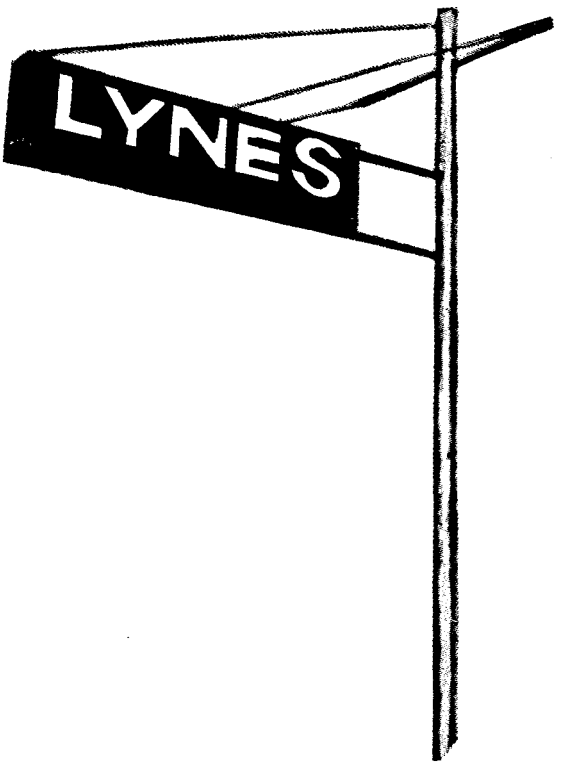
Attn: Clarence Harr

1 ea U. S. G. S.
8416 Federal Building
Salt Lake City, Utah 84111

Attn: Jerry Daniels, Dist. Eng.

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

Attn: Stanley M. Edwards
Cleon B. Feight, Director

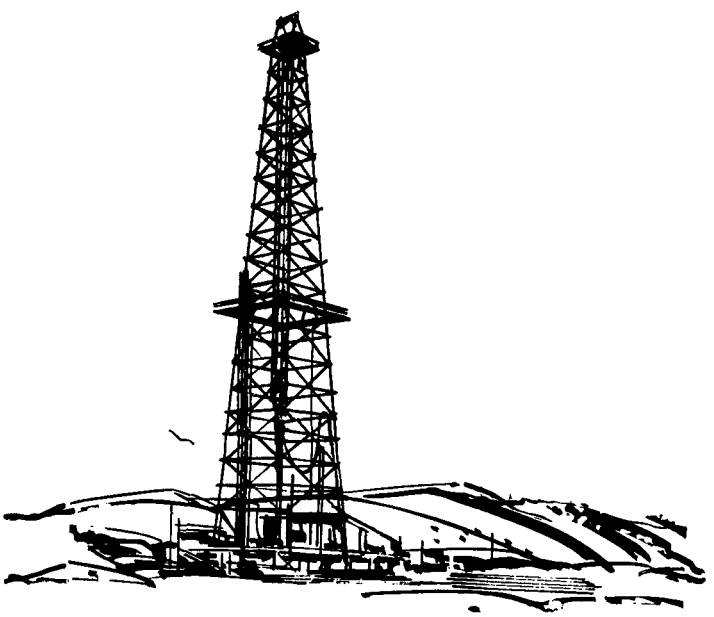


HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable Sealing Element Packers



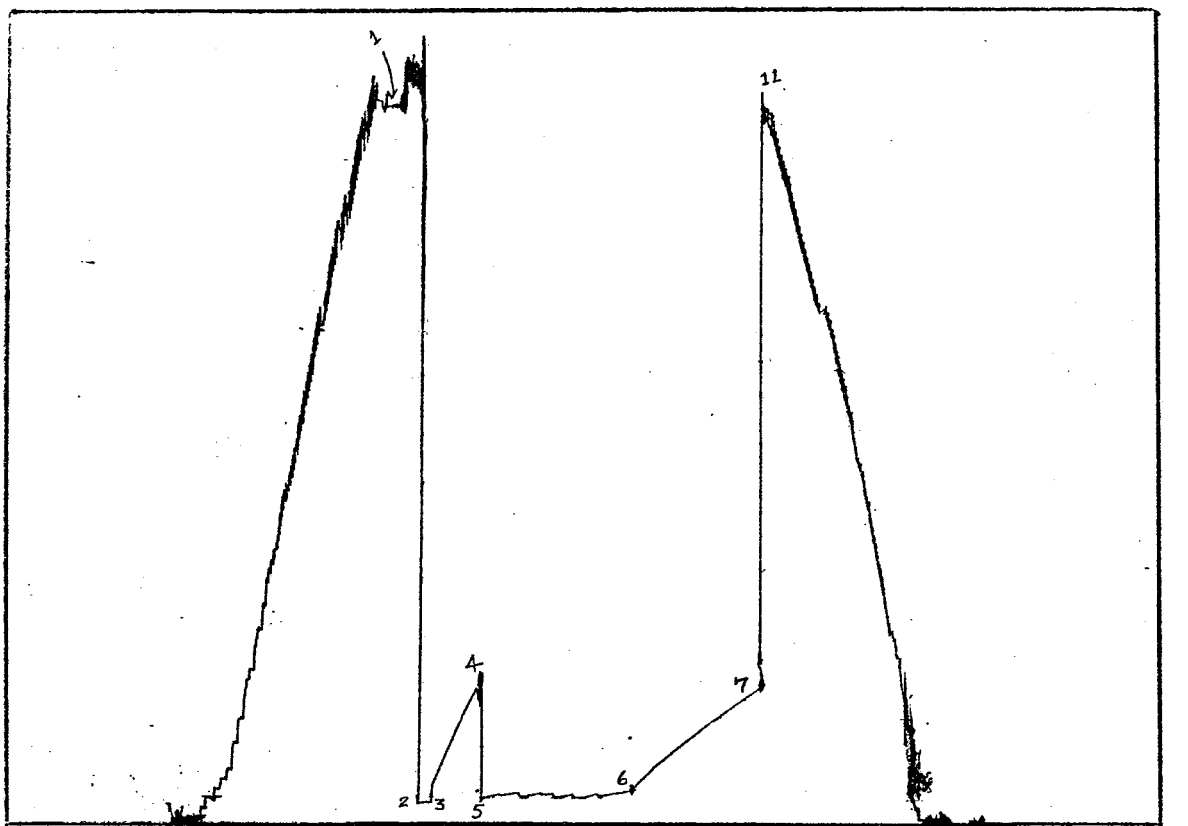
Formation Testing Service Report

COMPANY	LEASE AND WELL NO.	TEST NO.	DEPTH	DATE OF TEST
CHORNEY OIL COMPANY	South East Flank Uintah #1-5	7	8577' to 8746'	June 17, 1972

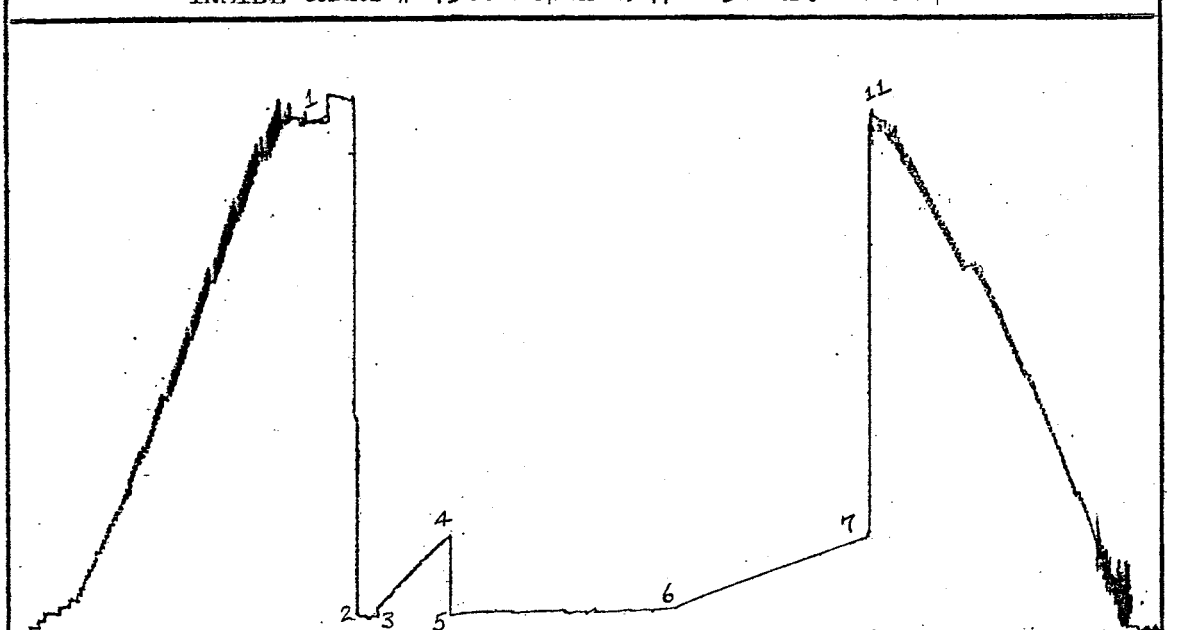
61-617

CHORNEY OIL COMPANY
NE NE 15 15S 23E
Test # 7

South East Flank Uintah #1-5
Uintah County, Utah
Job No. 61-617



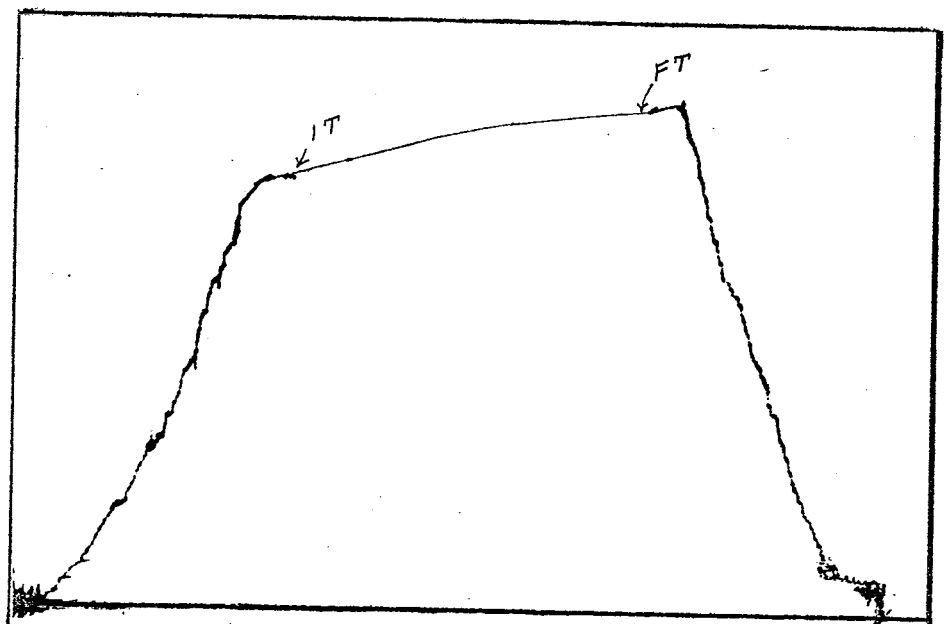
INSIDE CHART # 7300 Depth 8547' 36 hr. Clock



OUTSIDE CHART #6434 Depth 8587' 18 hr. Clock

CHORNEY OIL COMPANY
NE NE 15 15S 23E
Test #7

South East Flank Uintah #1-5
Uintah County, Utah
Job No. 61-617



TEMP. CHART # 6651 Depth 8587'

DRILL STEM TEST SERVICE REPORT

Field: Wildcat Formation: Dakota
Location: NE NE 15 15S 23E
County: Uintah State: Utah
Division: Rocky Mt. District: Casper
Address: Chorney Oil Company
P. O. Box 144, Casper, Wyoming 82601
No. Reports To: See attached distribution list

Job No. 61-617 Test No. 7 Customer Test No. 7
Net Feet of Pay NA Elevation 7426' GL; 7437'KB
Test Interval 8577' To 8746' T.D. 9603'
Type Test STRADDLE.....Inflatable Packers
Customer's Representative Jim Cox
Lynes' Representative James Holmes

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: South East Flank Uintah #1-5
TEST NO.: 7
DEPTH: 8577' to 8746'
DATE OF TEST: June 17, 1972
61-617

TESTING TIME

Started in hole at
Initial flow 15 Mins. Initial shut-in 30 Mins.
Second flow 146 Mins. Second shut-in 120 Mins.
Third flow ____ Mins. Third shut-in ____ Mins.

TEST DESCRIPTION	TIME
Opened tool for Initial First Flow	
Closed tool for First Shut-In	
Re-opened tool for Second Flow	
Closed tool for Second Shut-In	
Opened for Third Flow	
Closed for Third Shut-In	
Unset	

MUD AND HOLE DATA

Mud Type	Gel & Chem.	Top Packer OD	7"
Weight	9.2 #	Bot Packer OD	7"
Viscosity	47 sec	Bot Hole Choke Size	1"
Water Loss	6.0 cc	Bot Hole Temp.	170.4°F
Filter Cake	2/32"	Caliper Hole Size	9.5" & 13"
Hole Size	7-7/8"	Rat Hole Size	
Casing Size	13-3/8"	Set At	512'
Drill Pipe Size	4-1/2" XH	Weight	16.60# I.D. 3.826
Drill Collar Size	6-1/4" OD	Feet Run	509 I.D. 2.50
Cushion		Volume	Feet

REMARKS

FIRST FLOW: Opened with a weak blow (2" under water increasing to 12" under water.)

SECOND FLOW: Opened with a weak blow (1" under water increasing to 12" under water.) Remained steady throughout the test. No gas to surface

SAMPLER RECOVERED 2100cc drilling mud @ 70 # PSI.

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT

RECOVERY Test was not reversed out

223 Ft. of Slightly Gas-cut drilling mud
Ft. of
Ft. of
Ft. of
Ft. of

Pit Res. 2.0 Ohm @ 74°F Test Res. 2.2 Ohm @ 80°F
Pit Chlorides 750 PPM Test Chlorides 750 PPM

PRESSURE READINGS

DESCRIPTION	Inside # 7300 Cap. 6200# Hrs. 36 Depth 8547'	Outside # 6434 Cap. 9000# Hrs. 18 Depth 8587'	Cap. Hrs. ? Depth	TEMP #6651 Cap. 303°F Hrs. 36 Depth 8587'
1. Initial Hydrostatic	4076 p.s.i.	4207 p.s.i.	p.s.i.	158.4°F
2. Initial First Flow	109 p.s.i.	157 p.s.i.	p.s.i.	
3. Final First Flow	114 p.s.i.	161 p.s.i.	p.s.i.	
4. First Shut-In	739 p.s.i.	802 p.s.i.	p.s.i.	
5. Second Initial Flow	124 p.s.i.	161 p.s.i.	p.s.i.	
6. Second Final Flow	174 p.s.i.	213 p.s.i.	p.s.i.	
7. Second Shut-In	747 p.s.i.	783 p.s.i.	p.s.i.	
8. Third Initial Flow	p.s.i.	p.s.i.	p.s.i.	
9. Third Final Flow	p.s.i.	p.s.i.	p.s.i.	170.4°F Max
10. Third Shut-In	p.s.i.	p.s.i.	p.s.i.	
11. Final Hydrostatic	4076 p.s.i.	4214 p.s.i.	p.s.i.	169.4°F

PRESSURE BUILD UP — INCREMENTAL READING DATA

COMPANY CHORNEY OIL COMPANY
WELL NAME & NO South East Flank Uintah #1-5
LOCATION NE NE 15 15S 23E Uintah County, Utah
D.S.T. NO. 7 INTERVAL TESTED 8577' to 8746' FORMATION Dakota

RECORDER NO. 7300 DEPTH 8547' CLOCK 36 Hrs. JOB NO. 61-617

First Flow Period		Initial Shut In Pressure			Second Flow Period		Final Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	109	.010		251	.000	124	.028		253
.027	114	.020		323	.067	161	.056		325
		.030		377	.134	161	.084		382
		.040		434	.201	154	.112		439
		.050		496	.268	151	.140		494
		.060		551	.333	174	.168		546
		.070		605			.196		596
		.080		658			.224		648
		.090		712			.252		697
		.096		739			.280		747

RECORDER NO. 6434 DEPTH 8587' CLOCK 18 Hrs. JOB NO. 61-617

First FLOW Period		Initial Shut In Pressure			Second Flow Period		Final Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	157	.015		277	.000	161	.042		288
.047	161	.030		337	.100	187	.084		352
		.045		401	.200	191	.126		412
		.060		461	.300	187	.168		468
		.075		517	.400	195	.210		524
		.090		581	.493	213	.252		581
		.105		633			.294		633
		.120		689			.336		685
		.135		738			.378		734
		.155		802			.418		783

SPECIAL PRESSURE DATA

DISTRIBUTION LIST

CHORNEY OIL COMPANY S. E. FLANK - UINTAH 1-5
NE NE 5 15S 23E Uintah County, Utah

3 ea CHORNEY OIL COMPANY Attn: Sam Boltz
P. O. Box 144 Gene O'Brien
Casper, Wyoming 82601 L. "Buck" Stanley

2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105
Attn: Charles Pennypacker Smith
Jerry Kunz

2 ea MONO POWER COMPANY Attn: Bernard J. Perry
P. O. Box 800 Harvey Coontz
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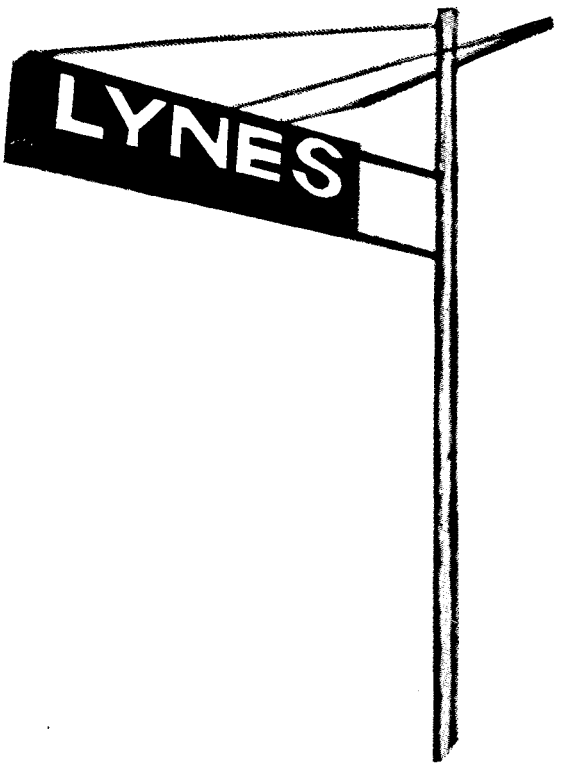
2 ea UNION OIL COMPANY OF CALIFORNIA Attn: Clarence Harr
P. O. Box 3372
Durango, Colorado 81301

1 ea U. S. G. S. Attn: Jerry Daniels, Dist. Eng.
8416 Federal Building
Salt Lake City, Utah 84111

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple Attn: Stanley M. Edwards
Salt Lake City, Utah 84116 Cleon B. Feight, Director

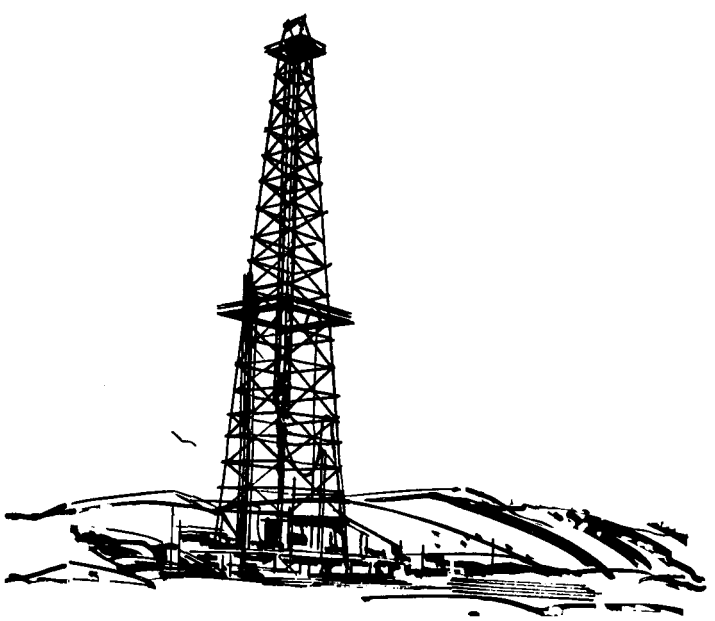


HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

LYNES

BRIGHT NAME IN THE OIL PATCH

Inflatable Sealing Element Packers



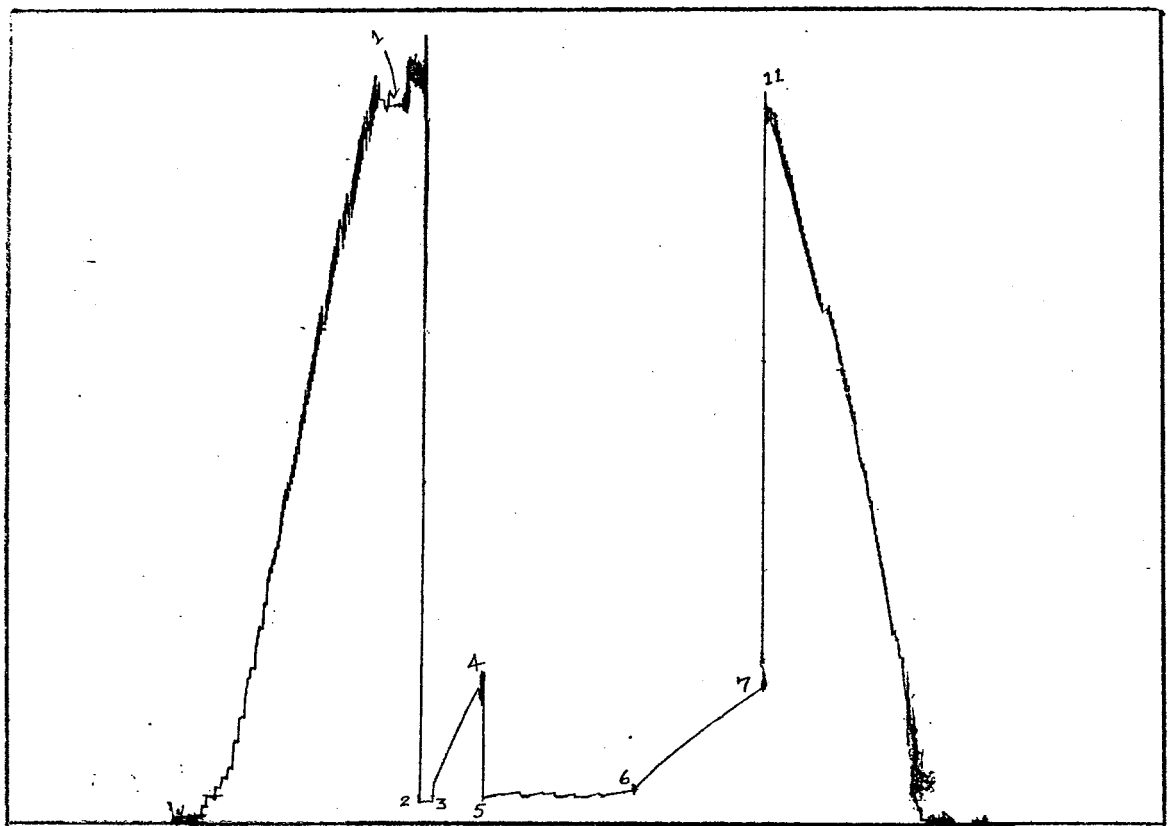
Formation Testing Service Report

COMPANY	LEASE AND WELL NO.	TEST NO.	DEPTH	DATE OF TEST
CHORNEY OIL COMPANY	South East Flank Uintah #1-5	7	8577' to 8766'	June 17, 1972

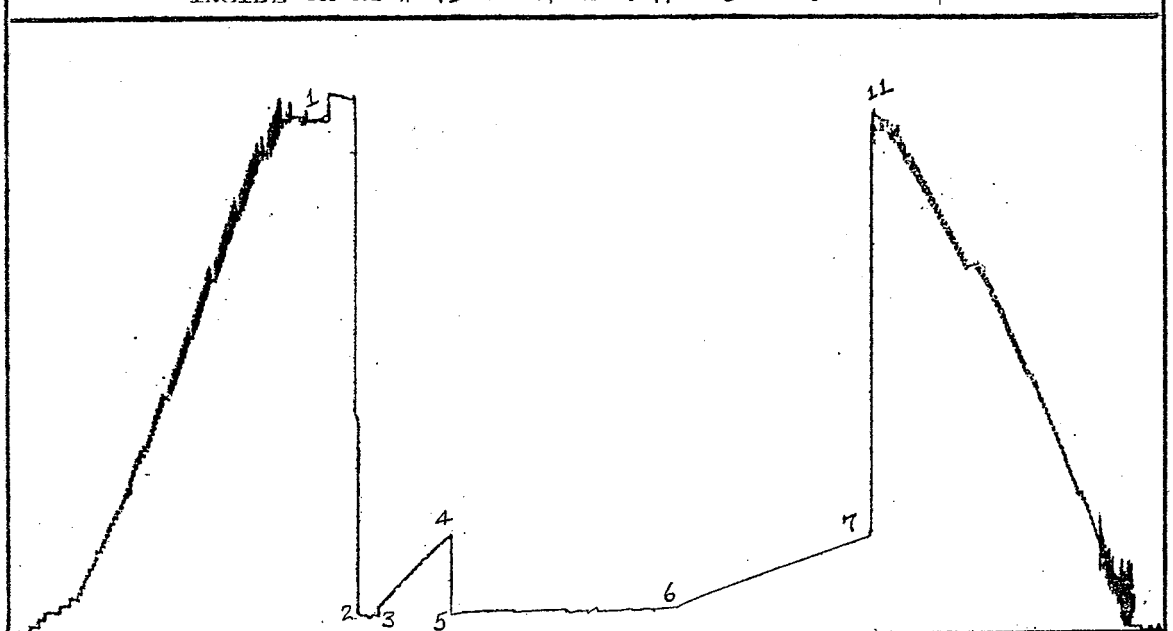
61-617

CHORNEY OIL COMPANY
NE NE 15 15S 23E
Test # 7

South East Flank Uintah #1-5
Uintah County, Utah
Job No. 61-617



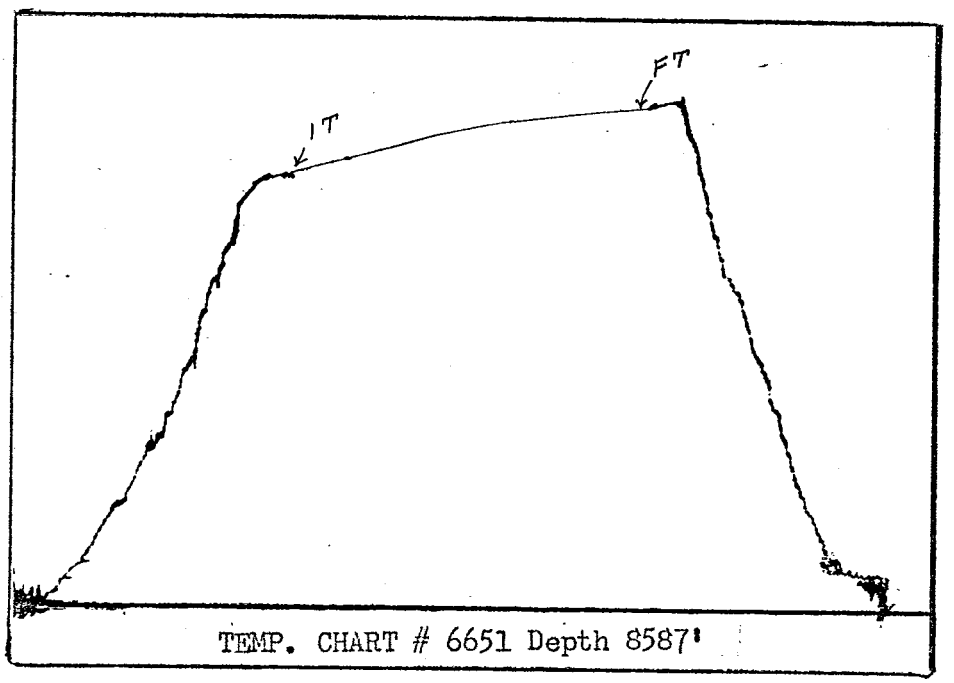
INSIDE CHART # 7300 Depth 8547' 36 hr. Clock



OUTSIDE CHART #6434 Depth 8587' 18 hr. Clock

CHORNEY OIL COMPANY
NE NE 15 15S 23E
Test #7

South East Flank Uintah #1-5
Uintah County, Utah
Job No. 61-617



TEMP. CHART # 6651 Depth 8587'

DRILL STEM TEST SERVICE REPORT

Field: Wildcat Formation: Dakota
Location: NE NE 15 15S 23E
County: Uintah State: Utah
Division: Rocky Mt. District: Casper
Address: Chorney Oil Company
P. O. Box 144, Casper, Wyoming 82601
No. Reports To: See attached distribution list

Job No. 61-617 Test No. 7 Customer Test No. 7
Net Feet of Pay: NA Elevation: 7426' GL; 7437' KB
Test Interval: 8577' To: 8746' T.D. 9603'
Type Test: STRADDLE.....Inflatable Packers
Customer's Representative: Jim Cox
Lynes' Representative: James Holmes

COMPANY: CHORNEY OIL COMPANY
LEASE AND WELL NO.: South East Flank Uintah #1-5
TEST NO.: 7
DEPTH: 8577' to 8746'
DATE OF TEST: June 17, 1972
61-617

TESTING TIME

Started in hole at
Initial flow 15 Mins. Initial shut-in 30 Mins.
Second flow 146 Mins. Second shut-in 120 Mins.
Third flow ____ Mins. Third shut-in ____ Mins.

TEST DESCRIPTION	TIME
Opened tool for Initial First Flow	
Closed tool for First Shut-In	
Re-opened tool for Second Flow	
Closed tool for Second Shut-In	
Opened for Third Flow	
Closed for Third Shut-In	
Unset	

MUD AND HOLE DATA

Mud Type	Gel & Chem.	Top Packer OD	7"
Weight	9.2 #	Bot Packer OD	7"
Viscosity	47 sec	Bot Hole Choke Size	1"
Water Loss	6.0 cc	Bot Hole Temp.	170.4°F
Filter Cake	2/32"	Caliper Hole Size	9.5" & 13"
Hole Size	7-7/8"	Rat Hole Size	
Casing Size	13-3/8"	Set At	512'
Drill Pipe Size	4-1/2" XH	Weight 16.60#	I.D. 3.826
Drill Collar Size	6-1/4" OD	Feet Run 509	I.D. 2.50
Cushion.		Volume	Feet

REMARKS

FIRST FLOW: Opened with a weak blow (2" under water increasing to 12" under water.)

SECOND FLOW: Opened with a weak blow (1" under water increasing to 12" under water.) Remained steady throughout the test. No gas to surface

SAMPLER RECOVERED 2100cc drilling mud @ 70 # PSI.

TEST RECOVERY DATA

Flow

TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT

RECOVERY Test was not reversed out

223 Ft. of Slightly Gas-cut drilling mud
Ft. of
Ft. of
Ft. of
Ft. of

Pit Res. 2.0 Ohm @ 74°F Test Res. 2.2 Ohm @ 80°F
Pit Chlorides 750 PPM Test Chlorides 750 PPM

PRESSURE READINGS

DESCRIPTION	Inside # 7300 Cap. 6200# Hrs. 36 Depth 8547'	Outside # 6434 Cap. 9000# Hrs. 18 Depth 8587'	Cap. Hrs. ? Depth	TEMP #6651 Cap. 303°F Hrs. 36 Depth 8587'
1. Initial Hydrostatic	4076 p.s.i.	4207 p.s.i.	p.s.i.	158.4°F
2. Initial First Flow	109 p.s.i.	157 p.s.i.	p.s.i.	
3. Final First Flow	114 p.s.i.	161 p.s.i.	p.s.i.	
4. First Shut-In	739 p.s.i.	802 p.s.i.	p.s.i.	
5. Second Initial Flow	124 p.s.i.	161 p.s.i.	p.s.i.	
6. Second Final Flow	174 p.s.i.	213 p.s.i.	p.s.i.	
7. Second Shut-In	747 p.s.i.	783 p.s.i.	p.s.i.	
8. Third Initial Flow	p.s.i.	p.s.i.	p.s.i.	
9. Third Final Flow	p.s.i.	p.s.i.	p.s.i.	170.4°F Max
10. Third Shut-In	p.s.i.	p.s.i.	p.s.i.	
11. Final Hydrostatic	4076 p.s.i.	4214 p.s.i.	p.s.i.	169.4°F

PRESSURE BUILD UP — INCREMENTAL READING DATA

COMPANY CHORNEY OIL COMPANY
WELL NAME & NO South East Flank Uintah #1-5
LOCATION NE NE 15 15S 23E Uintah County, Utah
D.S.T. NO. 7 INTERVAL TESTED 8577' to 8746' FORMATION Dakota

RECORDER NO. 7300 DEPTH 8547' CLOCK 36 Hrs. JOB NO. 61-617

First Flow Period		Initial Shut In Pressure			Second Flow Period		Final Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	109	.010		251	.000	124	.028		253
.027	114	.020		323	.067	161	.056		325
		.030		377	.134	161	.084		382
		.040		434	.201	154	.112		439
		.050		496	.268	151	.140		494
		.060		551	.333	174	.168		546
		.070		605			.196		596
		.080		658			.224		648
		.090		712			.252		697
		.096		739			.280		747

RECORDER NO. 6434 DEPTH 8587' CLOCK 18 Hrs. JOB NO. 61-617

First FLOW Period		Initial Shut In Pressure			Second Flow Period		Final Shut In Pressure		
Time t_1 .000"	PSIG	Time θ_1 .000"	log $\frac{t+\theta}{\theta}$	PSIG	Time t_2 .000"	PSIG	Time θ_2 .000"	log $\frac{t+\theta}{\theta}$	PSIG
.000	157	.015		277	.000	161	.042		288
.047	161	.030		337	.100	187	.084		352
		.045		401	.200	191	.126		412
		.060		461	.300	187	.168		468
		.075		517	.400	195	.210		524
		.090		581	.493	213	.252		581
		.105		633			.294		633
		.120		689			.336		685
		.135		738			.378		734
		.155		802			.418		783

SPECIAL PRESSURE DATA

DISTRIBUTION LIST

CHORNEY OIL COMPANY S. E. FLANK - UINTAH 1-5
NE NE 5 15S 23E Uintah County, Utah

3 ea CHORNEY OIL COMPANY Attn: Sam Boltz
P. O. Box 144 Gene O'Brien
Casper, Wyoming 82601 L. "Buck" Stanley

2 ea PACIFIC GAS AND TRANSMISSION COMPANY
245 Market Street
San Francisco, California 94105
Attn: Charles Pennypacker Smith
Jerry Kunz

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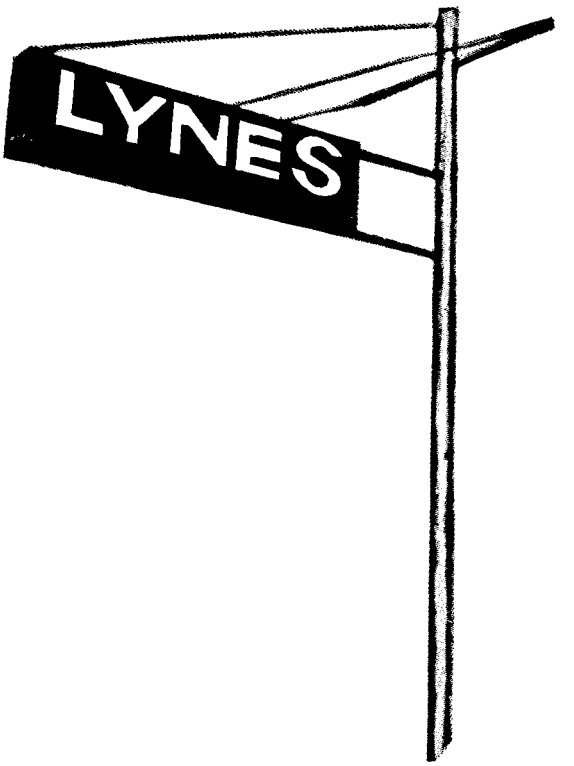
8416 Federal Building
Salt Lake City, Utah 84111

2 ea UTAH DIVISION Of OIL & GAS CONSERVATION
1588 West North Temple Attn: Stanley M. Edwards
Salt Lake City, Utah 84116 Cleon B. Feight, Director



HOME OFFICE: LYNES, INC. P.O. BOX 12486 (713) 643-4393 HOUSTON, TEXAS 77017

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: CHORNEY OIL COMPANY

3. ADDRESS OF OPERATOR: P. O. Box 144, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: NE NE Sec. 5, T15S, R23E, SLM (605' FNL & 810' FEL)
At proposed prod. zone: Same
Uintah County, Utah

5. LEASE DESIGNATION AND SERIAL NO.: U-9211

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME:

9. WELL NO.: SE Flank Uinta #1-5

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T15S, R23E

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 55 miles south of Ouray, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): --

16. NO. OF ACRES IN LEASE: --

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40+

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: --

19. PROPOSED DEPTH: 9500'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 7426' GR

22. APPROX. DATE WORK WILL START*: 3-10-72

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13-3/8"	54.5	500'	500 sx ±
8-3/4"	5-1/2"	15.5# & 17#	9500'	500 sx

You approved our original Application for Permit to Drill February 25, 1972. Due to ecology of the area and request of the Bureau of Land Management subject location was moved 150' due west from that originally proposed.

Drilling operations are now in progress.

Corrected plat attached.

APPROVED BY DIVISION OF OIL & GAS CONSERVATION
DATE 5/24/72
BY C B Feight

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED Sam T. Bolitz, Jr. TITLE Operations Manager DATE May 24, 1972

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

cc: Utah Division of Oil & Gas Conservation (3)
Pacific Gas Transmission Company
Mono Power Company

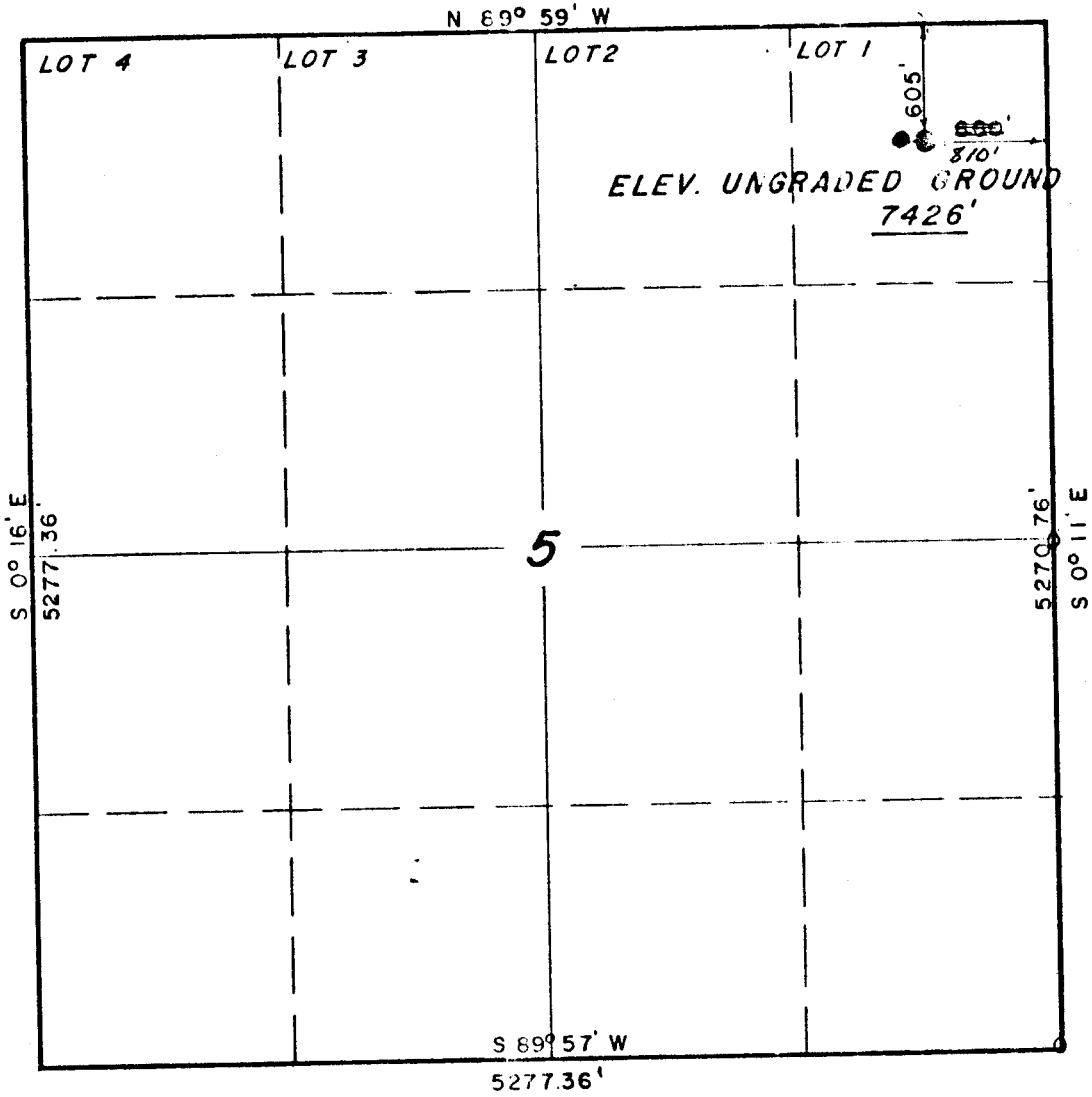
*See Instructions On Reverse Side

T15S, R23E, S.L.B.&M.

PROJECT

CHORNEY OIL COMPANY

Well location located as shown in Lot 1 (NE 1/4 NE 1/4) Section 5 T15S, R23E, S.L.B.&M. Uintah County, Utah.



SECTION CORNERS LOCATED (BRASS CAPS)

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION No 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q — 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 10 SEPT., 1971
PARTY G.S. T.H.	REFERENCES GLO PLAT
WEATHER HOT	FILE CHORNEY OIL CO

Corrected 5/24/72

W

6/16/72 We try to get a hold of USGS, if not I gave P&A AOK

Sam Bolts – Chorney Oil.

Fed. 1-5 sec 5 15S 23E Uintah Co.

U-9211

Electric Logs:

Washakie	1485	
Mancos	2152	SS at top ↓
Mancos Segas	4428	lots of SP
" Buck Tongue	4536	
	4596	
Castlegate	4682	tested tight
Emery SS	5470	isolated – some SP
Frontier	6184	no SP
Dakota Sill	8450	
Dakota SS	8550	tested tight
Cedar Mtn	8616	tight tight
Morrison	8698	– isolated
Entrada	9312	tested tight
Carmel	9452	
Glen Canyon	9500	tested tight – isolated
T. D.	9600	

7⅞" hole

(1) 30 sk acrs top of Entrada – ~~[illegible]~~ cover all
(2) 30 sk acrs top of Dakota
(3) 30 sk acrs Castlegate
(4) 30 sk – 80% in pipe & 20% out.
C 500' of 13⅜"

(5) 30 sk at top of Morrison box of Morrisey.
(6) 30 sk at top of Mesaverde.
(7) 10 sk / water / mud – no lost cir. – 9.3 gal low water loss mud

(Needed two more approvals before abandonment commences)

PWB

Form OGCC-1 b

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [ ] GAS WELL [X] OTHER Wildcat

2. NAME OF OPERATOR: CHORNEY OIL COMPANY

3. ADDRESS OF OPERATOR: P. O. Box 144, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NE NE Sec. 5, T15S, R23E, SLM (605' FNL & 810' FEL) Uintah County, Utah

5. LEASE DESIGNATION AND SERIAL NO.: U-9211

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: SE Flank Uinta

9. WELL NO.: 1-5

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T15S, R23E SLM

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

14. PERMIT NO.: 43-047-30121

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 7426' Grd.

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]
(Other) MONTHLY REPORT OF OPERATIONS			[X]

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
(Other)			[ ]

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

6-1-72: 8448' Frontier formation. 13-3/8" surface casing set at 512' K.B. Cemented with 575 sacks Class G. Good returns cement to surface.

6-18-72: P & A, per verbal approval Mr. Paul Burschell, UO&GC and Mr. Jerry Daniels, U.S.G.S., Salt Lake City, Utah.
Notice of Intent filed U.S.G.S. Form 9-331-C.
Log tops: Mancos 4428', Castlegate SS 4682', Emery SS 4570', Frontier 8184', ~~Dakota 8450'~~, Dakota SS 8556', Morrison 8702', Entrada 9316'.

PLEASE HOLD CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

SIGNED Sam T. Boltz Jr. TITLE Operations Manager DATE 6-22-72

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

PACIFIC GAS TRANS.
MONO POWER CO.
UNION OIL CO.

*See Instructions on Reverse Side

Well Report

CHORNEY OIL COMPANY

SE FLANK UINTA #1-5

NE NE SEC. 5, T 15 S, R 23 E

UINTAH COUNTY, UTAH

PREPARED BY,

Carl E. Lockhart

Carl E. Lockhart
Consulting Geologist
P. O. BOX 2911
Casper, Wyoming 82601

WELL DATA

OPERATOR:	CHORNEY OIL COMPANY P. O. BOX 144 CASPER, WYOMING 82601
FARM:	SE FLANK UINTA #1-5
LOCATION:	NE NE SEC. 5, T 15 S, R 23 E
ELEVATION:	7425 GL 7437 KB
SPUD DATE:	12:30PM 5-5-72
DRILLING COMPLETED:	10:15AM 6-11-72
DEPTH REACHED:	9603 SLM, 9601 SCHL.
DEEPEST FORMATION PENETRATED:	GLEN CANYON FORMATION
SURFACE CASING:	13 3/8 TO 512'KB
PRODUCTION CASING:	NONE
PRODUCTION:	NONE
HOLE SIZE:	7 7/8"
CORES:	NONE
WELL COMPLETED:	D&A 5-17-72
DRILL STEN TESTS:	(See pages 3 & 4)
LOGS:	DUAL INDUCTION-LATEROLOG: SURFACE CASING TO T.D. (512-9595). BHC-SONIC-GAMMA RAY WITH CALIPER & F-FACTOR: SURFACE CASING TO T.D. (512-9599). COMPENSATED NEUTRON POROSITY-FORMATION DENSITY COMPENSATED: 3850 to 9699.
CONTRACTOR:	TRUE DRILLING COMPANY CASPER, WYOMING

FORMATION TOPS

FORMATION	DEPTH	DATUM
Wasatch	1485	+5952
Mesaverde	2152	+5285
Mancos	4428	+3009
L. Sego	4526	+2911
Buck	4596	+2841
Castlegate	4682	+2755
Emery	5470	+1967
Frontier	8184	-747
Dakota Silt	8450	-1013
Dakota Sandstone	8556	-1119
Cedar Mountain	8616	-1179
Morrison	8698	-1261
Entrada	9312	-1875
Carmel	9452	-2015
Glen Canyon	9500	-2063

DRILL STEN TESTS

All Tests by Lynes Testers

5-20-72 DST #1 4700-16 Castlegate Sandstone

3 Period Test: Initial open-15 Minutes, Initial shut-in-30 Minutes; Second open-30 Minutes, Second shut-in-60 Minutes; Third open-60 Minutes, Third shut-in-120 Minutes. Good blow during all open flows.
Recovered: 1310' drilling mud & 90' slightly gas cut mud. From Sample Chamber; 2500cc Gas cut drilling mud. BHT=132°, RES=2.7 AT 74°, CHL=250

1st Period	2nd Period	3rd Period
IHP 2226		FHP 2215
IFP 114	IFP 322	IFP 478
FFP 228	FFP 384	FFP 573
SIP 488	SIP 721	SIP 934

6-3-72 DST #2 8624-42 Top of Cedar Mountain

2 Period Test: Initial open-10 Minutes, Initial shut-in-30 Minutes; Second open-90 Minutes, Second shut-in-120 Minutes. Very weak blow during both flow periods.
Recovered: 135' drilling mud & from sample chamber; 2500cc slightly gas cut drilling mud. BHT=235°, RES.=1.8 at 70°, CHL=500

1st Period	2nd Period
IHP 4131	FHP 4097
IFP 32	IFP 256
FFP 224	FFP 320
SIP 801	SIP 1670

6-4-72 DST #3 8648-84 Lower Cedar Mountain

2 Period Test: Initial open-10 Minutes, Initial shut-in-30 Minutes; Second open-49 Minutes when packer failed. Initial open with very weak blow, died in 3 Minutes; Second open with weak blow, died in 2 Minutes.
Recovered: 3720' drilling mud. (tool remained open after packer failure.)

1st Period	2nd Period
IHP 4251	FHP Not taken
IFP 24	IFP 24
FFP 24	FFP 49 when packer failed
SIP 74	SIP not taken

6-13-72 DST #4 9288-9340 Entrada formation

Mis-run-no packer seat.

6-13-72 DST 5 9532-9603 Glen Canyon formation

2 Period Test: Initial open-15 Minutes, weak blow, Initial shut-in-30 Minutes; Second open-45 Minutes, weak blow increasing to strong blow, Second shut-in-90 Minutes.
Recovered; 120' water & gas cut drilling mud. From sample chamber, 0.1 cu. ft. gas & 1200cc gas & water cut drilling mud. RES.=1.5 at 70°, CHL=4000ppm.

1st Period	2nd Period
IHP 4636	FHP 4602
IFP 64	IFP 96
FFP 96	FFP 128
SIP 288	SIP 1058

6-15-72 DST #6 9296-9465 Entrada formation

2 Period Test: Initial open-15 Minutes, weak blow, Initial shut-in-30 Minutes; Second open-150 Minutes, weak blow increasing to good blow in 15 Minutes, weakening at end of flow period, Second shut-in-120 Minutes.
Recovered; 320' slightly gas cut drilling mud. From sample chamber, 200cc gas cut mud under 15 lbs. pressure. Res.=2.0 at 78°.

NO PRESSURES-CLOCKS STOPPED.

6-16-72 DST #7 8577-8746 Cedar Mountain

2 Period Test: Initial open-15 Minutes, medium blow, increasing to strong blow by end of flow, Initial shut-in-30 Minutes: Second open-146 Minutes, strong blow remaining strong to end of flow, Second shut-in-120 Minutes.
Recovered: 223' slightly gas & water cut mud. From sample chamber, 2100cc slightly water & gas cut mud under 70# pressure. BHT=171° RES.=2.2 at 80° CHL=750

1st Period	2nd Period
IHP 4195	FHP 4157
IFP 112	IFP 112
FFP 112	FFP 224
SIP 749	SIP 823

BIT RECORD

BIT NO.	TYPE	DEPTH OUT	FEET	HOURS
1 (SURFACE)	OSC 3 J	512	512	19¼
2	OSC 3 J	1024	512	6¼
3	OSC 3 J	1502	479	9¼
4	OSC 3 J	2141	639	12½
5	OSC 3 J	2628	487	14 3/4
6	OSC 3 J	3275	647	18
7	OSC 3 J	3899	624	16
8	OSC 3 J	4335	436	19
9	OSC 3 J	4716	381	17½
10	S 3 J	4780	64	6 3/4
11	M 4 NG J	5170	390	17½
12	M 4 NG J	5592	422	20 3/4
13	YS 4 G J	5781	189	14¼
14	M 4 NG J	6144	363	19
15	OD 4 J	6618	474	20
16	S 6 J	7046	428	19¼
17	S 4 T J	7356	310	10 3/4
18	S 4 T J	7752	396	17
19	S 6 J	8012	360	15
20	S 6 J	8320	308	15 3/4
21	M 4 NG J	8448	128	11 3/4
22	S 86 J	8684	236	25
23	S 88 J	8971	287	35
24	S 88 J	9242	271	38¼
25	S 88 J	5515	273	32½
26	H 7 SG J	9557	43	8¼
27	H 7 SG J	9603	42	6

SAMPLE DESCRIPTION

Samples taken by rig crew. Sample Intervals: 30' samples from 512' to 1110', 20' samples from 1110' to 2600', 10' samples from 2600' to 3260', 20' samples from 3260 to 4400', 10' samples from 4400' to T.D. Sample description corrected to drilling depth.

512-685: Sandstone, 95%, clear, very fine grained, silty, friable to unconsolidated, fair sorting, sub round to round, fair porosity, no show. Shale, 5%, green, firm, part silty, part calcareous; Trace, pseudo oolites, tan to pink, being composed of a white, micro granular, chalky nucleus surrounded by two concentric rings of calcareous material, occasionally with 5 to 6 indentations inside calcareous shell. Probably fossil plant spores.

685-750: Limestone, 50%, predominantly of tan pseudo oolites as above, with abudant dove grey, argillaceous with abundant pseudo oolites as above. Shale, 35%, predominantly light grey, calcareous with abundant pseudo oolites as above, minor amount dark green, part calcareous, firm. Sandstone, 15%, light grey, very fine grained, calcareous clay cement, firm, no porosity.

750-850: Shale, red-brown, silty, slightly calcareous, trace with grey lamina; light grey, very silty, calcareous, some green. Minor amount Limestone, light grey, argillaceous, dense & tan pseudo oolitic as above.

850-935: Very poor sample, almost all cavings & cement. Predominantly shale as above. Sandstone, 15%, white, very fine grained, very silty, friable, calcareous, grading to siltstone, poor porosity, no show. Limestone, trace, as above.

935-960: Very poor sample, cavings & cement: Siltsone, 50%, light grey, calcareous, friable; Shale, 30%, predominantly grey, calcareous, silty; Limestone, 20%, tan, brown, grey, part silty, minor amount pseudo oolites, very abundant ostracods; slight trace black chert pebbles.

960-990: Very poor sample, cavings & cement: As above, No apparent ostracods, slight trace black chert pebbles.

990-1024: Not recovered, lost circulation and stuck drill pipe at @1024'

1024-1075: Sandstone, 90%, white, fine grained, poorly sorted, angular, friable, slightly calcareous clay cement, occasional glauconite & black carbonaceous grains, 5% wi brown to black stain, dull gold flouresence, fair cut, possibly contamination from fishing job; Shale, 10%, grey, brown, silty, part calcareous.

1075-1085: Limestone, tan, pseudo oolitic (probable plant fossils).

1085-1122: Shale, predominantly light brown, very calcareous, part silty, trace pyrite.

1122-1140: Shale, 70%, as above. Limestone, 30%, pseudo oolitic as above, brown very argillaceous, slightly fossiliferous, dense, & minore amount grey with dark grey to black oolites.

1140-1160: Sandstone, 60%, light grey, very fine grained silty, occasional black grains, slightly pyritic, calcareous, poor porosity, no show. Shale & limestone as above.

1160-1200: Sandstone, 60%, as above: Siltstone, 20%, white, calcareous, occasional black grains: Shale & limestone as above.

1200-1250: Limestone, 70%, predominantly tan pseudo oolitic, some brown very argillaceous. Shale, brown, very calcareous, slightly micaceous.

1250-1270: Shale, 60%, green, red, firm, part silty, part calcareous. Limestone as above.

1270-1290: Sandstone, 90%, white, very fine grained, fair sorting, sub-round, slightly calcareous, friable, occasional black grains, pyritic, fair porosity, no show.

1290-1318: Sandstone, 90%, Clear, coarse grained, well sorted, sub-rounded, unconsolidated, good porosity, no show.

1318-1365: Shale, 60%, red, non calcareous, slightly silty. Siltstone, 20%, white firm slightly calcareous to calcareous. Sandstone, 20%, white, very fine grained, friable, silty poor porosity, no show. Minor amount shale, yellow, non-calcareous part silty at@ 1365.

1365-1430: Sandstone, 70%, white, very fine grained, silty, friable, slightly calcareous, poor porosity, no show. Shale, 30%, predominantly light to medium grey, waxy, fissile, firm, abundant green & red.

1430-1450: Shale, 40%, greenish grey, red, silty, predominantly non-calcareous. Sandstone, 40%, white, very fine grained, silty, friable, slightly calcareous to calcareous, poor porosity, no show grading to siltstone.

1450-1485: Shale, 50%, brown, dark grey, very calcareous, hard, fissile. Limestone, 40%, brown, very argillaceous, tan, pseudo oolitic & micritic, dense.

TOP OF THE WASATCH @1485

1485-1580: Silstone, 60%, white, firm, calcareous, scattered black grains, part sandy, grading to sandstone, 20%, white, very fine grained, salt & pepper, friable, no porosity, no show. Shale, light grey, calcareous, silty.

1580-1620: Shale, red, minor amount green, grey, silty, predominantly / non-calcareous.

1620-1670: Sandstone, white, very fine grained, v ery silty, calcareous firm, part with abundant glauconite & scattered black grains, poor porosity, no show.

1670-1760: Shale, red silty fissile, soft, predominantly non-calcareous. Minor amount sandstone, as above, with a trace sandstone, pink, fine to medium grained, hard, no porosity, no show from @1740-1760.

1760-1785: Sandstone, white, very fine to fine grained, fair sorting, sub-rounded, occasional black grains, hard, calcareous, poor porosity, no show; Minor amount shale as above.

1785-1800: Shale, red as above, & light grey-green, silty, soft, fissile.

1800-1810: Shale, varigated, red, grey, marroon, brown, yellow, predominantly non-calcareous. Silstone, white, soft, calcareous.

1810-1840: Sandstone, white, very fine to fine grained, glauconitic, carbonaceous, friable, calcareous, poor porosity, no show.

1840-1860: Shale, varigated as above, becoming firmer, part very calcareous. Minor amount limestone, brown, argillaceous, dense, & sandstone, white, fine to coarse grained, very poorly sorted, abundant green black & orange grains, hard, calcareous clay filled, no porosity, no show.

1860-1965: Shale predominantly grey to green, soft to firm, part sandy grading to minor amount sandstone, light grey, fine to coarse grained, very argillaceous, no porosity, no show.

1965-1990: Sanstone, light grey, very fine to medium grained, poorly sorted, shaly, becoming cleaner & better sorted by @1990, poor to fair porosity, no show.

1990-2020: Shale predominantly grey to green, silty, calcareous, firm.

2020-2030: Sandstone, white, predominantly medium grained, fair sorting, sub-rounded, friable, abundant black, orange & green grains, fair to good porosity, no show.

2030-2105: Shale, grey-green, silty, calcareous, firm, part sandy. Limestone, brown to grey, part fossiliferous, dense. Occasional sandstone, light grey to green, very fine grained, scattered black & green grains, clay filled, soft, no porosity, no show.

2105-2120: Sandstone, light grey, very fine to medium grained, poorly sorted, abundant black & green grains, friable, no porosity to poor porosity, no show.

2120-2152: Siltstone, white, soft, calcareous & shale, red-brown, grey-green.

TOP OF THE MESAVERDE FORMATION @2152

2152-2170: Shale predominantly red, part calcareous, silty, soft.

2170-2195: Sandstone, white, very fine to fine grained, fair sorting, part silty, friable to unconsolidated, poor to fair porosity, no show.

2195-2230: Shale, green, grey, white, red, predominantly non-calcareous, part waxy, soft. Trace Sandstone, clear, fine grained, unconsolidated, probably clay filled, poor to fair porosity, no show.

2230-2250: Sandstone, white, very fine to fine grained, part silty, salt and pepper, friable to unconsolidated, poor porosity, no show.

2250-2305: Shale, varigated, predominantly non-calcareous, part waxy, soft.

2305-2340: Siltstone, white, soft, scattered green & black grains, part sandy; minor amount sandstone, clear, very fine grained, silty, unconsolidated.

2340-2465: Shale, varigated as above; minor amount siltstone & sandstone as above.

2465-2560: Shale, varigated as above, predominantly red.

2560-2590: Sandstone, grey, very fine grained at top, becoming fine to medium grained by @2590, abundant black & brown chert grains, hard, calcareous, argillaceous, grading to shale, no porosity to poor porosity, no show.

2590-2610: Shale, predominantly grey-brown, sandy, calcareous, carbonaceous; minor amount varicolored as above.

2610-2625: Sandstone, clear, fine grained, well sorted, sub-rounded, friable to unconsolidated, poor to fair porosity, no show.

2625-2635: Shale, brown, carbonaceous as above; minor amount varigated as above.

2635-2720: Sandstone, clear, predominantly fine to medium grained, minor amount coarse grained, fair sorting, friable to unconsolidated, fair to good porosity, no show.

2720-2765: Shale, predominantly grey, brown, black, very carbonaceous with abundant varigated as above.

2765-2780: Shale as above; Sandstone, grey, very fine grained, very argillaceous, carbonaceous, soft, no porosity, no show.

2780-2875: Shale, varigated, medium grey, very calcareous, silty, carbonaceous, brown to black, waxy, very carbonaceous, part calcareous, red, green, waxy, all fissile; minor amount siltstone, white, soft, argillaceous.

2875-2940: Sandstone, grey, very fine grained, abundant black grains, very argillaceous, no porosity, no show.

2940-2960: Shale varigated as above.

2960-3050: Shale 50%, as above. Sandstone, clear, very fine grained, very silty, friable to hard, grading to siltstone, poor porosity, no show.

3050-3270: Sandstone, light grey, very fine to fine grained, very silty, friable to unconsolidated, poor to fair porosity, no show. minor amount of shale, varigated, as above.

3270-3330: Shale, predominantly grey, silty, part waxy, abundant brown, carbonaceous, waxy, & red. Sandstone, grey, very fine grained, silty, unconsolidated, poor porosity, no show.

3330-3370: Sandstone, clear, fine grained, well sorted, abundant black carbonaceous grains, very friable to unconsolidated, good porosity, no show.

3370-3420: Shale, grey to brown, carbonaceous, minor amount dark brown, very carbonaceous. Occasionsl Sandstone, grey, very fine grained, friable, clay filled, no porosity, no show.

3420-3470: Sandstone, grey, very fine grained, silty, part clay filled, part unconsolidated-probably clay filled, poor porosity, no show. Occasional thin bed of coal.

3470-3505: Shale, dark brown, carbonaceous, fissile with occasional coal beds. Trace sandstone.

3505-3530: Predominantly sandstone, white, very fine grained, v silty, friable to unconsolidated, abundant brown grains, poor porosity, no show. Minor amount shale, predominantly grey-green wxy, abundant brown, carbonaceous.

3530-3645: Shale, predominantly dark grey, brown black, carbonaceous. Minor amount siltstone, light grey with scattered black grains, & sandstone as above. Trace of coal @3556.

3645-3700: Sandstone, clear, very fine to fine grained, fair sorting, friable to unconsolidated, good porosity, no show.

3700-3760: Shale, predominantly brown to dark brown, fissile, carboneceous, & red, green, grey. Siltstone, white, calcareous, firm.

3760-3800: Sandstone, tan, very fine grained, silty, clay filled, no porosity, no show. Slight trace of coal.

3800-3820: Shale, predominantly cream to brown, very bentonitic.

3820-3940: Sandstone, white, clear, very fine grained, well sorted, calcareous, hard, poor porosity, no show. Minor amount shale, as above.

3940-3980: Shale, predominantly grey, brown, black, fissile, carbonaceous. Numerous coal beds; Minor amount sandstone, clear, very fine grained, silty, calcareous, poor to fair porosity, no show.

3980-4010: Shale & coal as above. Minor amount siltstone, white, sandy, calcareous.

4010-4035: Shale varigated; trace of coal; trace sandstone, green, brown, very fine grained, argillaceous & white, medium grained, hard, no porosity, no show.

C.O. Samples-@4035 to @4061.

4035-4050: Shale predominantly brown, black, carbonaceous; trace coal.

4050-4061: Sandstone, white to cream, very fine to fine grained, calcareous, no porosity to poor porosity, no show.

4061-4110: Shale & minor amount sandstone as above. 6' coal bed @4066-72. Occasional trace quartz sand, clear, coarse grained, rounded, frosted, unconsolidated. Trace Limestone, tan, micritic, dense.

4110-4160: Shale predominantly grey-green, waxy, fissile. Sandstone, tan to white, very fine grained, silty, calcareous, hard, grading to siltstone, poor porosity, no show.

4160-4180: Shale, 60%, grey, fissile, waxy, silty, & varigated. Sandstone, 40%, white, very fine grained, silty, scattered black grains, friable to hard, calcareous, poor to fair porosity, no show.

4180-4250: Shale, predominantly dark brown to black, very carbonaceous. Coal bed @4201-03. Minor amount sandstone, white, tan, very fine grained, argillaceous, calcareous, friable to hard, poor to fair porosity, no show.

4250-4380: Sandstone & minor amount of shale as above.

4380-4405: Shale, 90%, varicolored. Sandstone, 10%, white, very fine grained, silty, non-calcareous, very shaley, no porosity. Trace limestone, brown, micritic, dense.

4405-4415: Sandstone, white, fine grained, friable to hard, poor to fair porosity, no show

C.O. Samples-@4415 to 4438.

4415-4428: Sandstone, 70%, as above. Shale, 30%, brown, sandy, silty, carbonaceous, grading to trace siltstone. Trace limestone, brown, argillaceous, dense.

<u>TOP OF THE MANCOS FORMATION @4428</u>

4428-4435: Shale, 90%, Sandstone, 10%, as above.

4435-4496: Shale, brown, as above. Trace shale, grey to green, thinly fissile, waxy. Trace siltstone, tan, firm, non-calcareous.

4492-4526: Shale, dark brown, carbonaceous, non-calcareous, abundant red, green, grey, becoming predominantly grey-green at @4505. Minor amount siltstone, brown, carbonaceous.

TOP OF THE LOWER SEGO SHALE @4526

4526-4550: Shale as above, with slight trace conglomerate, green shale matrix with smooth, dark grey limestone & shale pebbles.

4550-4595: Shale, light grey, calcareous, silty, fissile & dark brown, silty, slightly calcareous. Trace siltstone, white, argillaceous, calcareous. Trace coal.

TOP OF THE BUCK SHALE @4596

4595-4668: Shale, 90%, dark brown, very silty, carbonaceous.

4668-4678: Shale, dark grey-brown, very silty, platy, non-calcareous.

4678-4683: Shale as above. Siltstone, 10%, white to grey, friable, slightly glauconitic.

TOP OF THE CASTLEGATE SANDSTONE @4682

4683-4687: Sandstone, white to brown, very fine grained, very shaley, very poor porosity, no show.

4687-4696: Sandstone, tan to white, very fine grained, part siliceous, predominantly slightly calcareous clay cement, no porosity, no show.

4696-4711: Sandstone, white to brown, very fine grained, part argillaceous, slightly calcareous, slightly siliceous with trace intergranular, crystalline quartz, prdominantly clay cement, poorly sorted, sub-angular to sub-rounded, poor porosity, no stain, 10% with very faint flourescence & very faint cut.

4711-4730: Shale, 60%, dark brown, carbonaceous, sandy. Sandstone, 40%, grey, very fine grained, silty, calcareous, very hard, no porosity, no show.

4730-4752: Shale as above with minor amount red, green & black.

4752-4900: Shale, varicolored, brown, red, green, grey, predominantly fissile, part very silty, with thinly interbedded siltstone, grey to tan, very argillaceous, occasional black grains, & sandstone, grey to brown, very fine grained, very fine grained, silty, argillaceous, no porosity, no show.

4900-5470: Shale, 100%, predominantly dark brown, fissile, carbonaceous, part sandy, silty, occasional beds of red, green, grey, occasional trace argillaceous sandstone & siltstone.

TOP OF THE EMERY SANDSTONE ZONE @5470

5470-5670: Shale, 60%, dark brown, carboneceous, sandy, grading to Sandstone, 20%, brown to grey, very fine grained, very argillaceous, soft to firm, no porosity, no show, & siltstone, 20%, brown, firm, very argillaceous.

5670-5770: Shale, 100%, varicolored, red, green, grey, minor amount brown as above, becoming predominantly red at @5730 to 5770.

5770-6130: Shale, grey-brown, grey-green, fissile, calcareous, carbonaceous, very sandy, grading to sandstone, light grey, very fine grained, very shaley, calcareous, firm to hard, no porosity, no show.

6130-6140: Shale, grey-green, waxy, thinly fissile, trace with angular, coarse grained quartz inclusions.

6140-7360: Shale, 100%, dark brown, sandy, silty, slightly calcareous to non-calcareous, fissile, carbonaceous. Occasionsl trace limestone, brown, very argillaceous, dense.

7360-7460: Shale, very dark brown to black, predominantly fissile, very silty, calcareous, part bubbling gas. Heavy trace of siltstone, light brown to white, firm, calcareous.

7460-7500: Shale, 80%, as above. Siltstone, 20%, tan to light grey, argillaceous, calcareous, firm.

7500-7710: Siltstone, 60%, light grey to tan, very argillaceous, soft, grading to trace sandstone. Shale, 40%, dark brown to black, carbonaceous, fissile, silty grading to trace of siltstone.

7710-7810: Shale, 100%, as above.

7810-7880: Shale, 50%, as above. Siltstone, 50%, tan, calcareous, argillaceous, hard.

7880-8035: Shale, 100%, & siltstone, trace, as above.

8035-8200: Shale, 100%,as above, becoming thinly fissile. Occasional trace bentonite, tan, micaceous. Trace pyrite.

TOP OF THE FRONTIER FORMATION @8184

8200-8305: Shale, 100%, as above, becoming very sandy, very silty. Minor amount of bentonite, light grey, silty. Sandstone, trace, white, very fine grained, platy, clay filled, very micaceous, no porosity, no show.

8305-8450: Shale, 60%, dark brown to black, carbonaceous, predominantly fissile; trace coal. Sltstone, 40%, brown to grey, very calcareous, argillaceous, sandy, hard, partly pyritic.

TOP OF THE DAKOTA SILT @8450

8450-8480: Shale, 80%, siltstone, 15%, as above. Sandstone, 5%, white to grey, very fine grained, very argillaceous, hard, no porosity, no show.

8480-8555: Shale, predominantly dark brown as above, abundant grey-brown to grey, waxy, blocky, firm, commencing at @8520. Occasional trace siltstone, brown, friable, sandy. Abundant bentonite, white to tan.

TOP OF THE DAKOTA SANDSTONE @8556

8555-8570: Sandstone, 80%, white, very fine grained, friable to hard, calcareous clay cement, poor porosity, no show. Shale, 20%, as above.

8570-8585: Sandstone, white, fine grained, fair sorting, sub-rounded, friable to hard, slightly calcareous, clay cement, poor porosity, no show.

8585-8595: Shale, 70%, dark brown, black, thinly fissile, some light grey to tan, thinly fissile, soft, very bentonitic. Sandstone, 30%, white, very fine to medium grained, poorly sorted, hard clay cement, no porosity, no show.

8595-8616: Shale as above, & varicolored, grey, green, marroon, waxy, fissile.

TOP OF THE CEDAR MOUNTAIN SANDSTONE @8616
C.O. Samples-@8616-8642.

8616-8624: Shale, varicolored, as above. trace conglomerate, grey-green shale with black chert pebble inclusions. Sandstone, 10%, tan, very fine grained, hard, no porosity, no show.

8620-8626: Sandstone, clear, fine to medium grained, sub-angular to round, part hard no porosity, 50% friable to unconsolidated, possibly clay filled, poor to fair porosity, no show.

8626-8636: Sandstone, clear, medium grained, fair sorting, sub-round to round, prdominantly friable to unconsolidated, clay cement, poor to fair porosity, no show.

8636-8638: Sandstone as above, part with occasional coarse grains of chert, part very fine grained, silty, very poor porosity, trace of silty sandstone with very light stain, no flourescence, very faint cut when soaked.

8638-8642: Sandstone as above, & shale, dark brown, fissile, hard, carbonaceous.

D.S.T. #2-@8624-8642

C.O. Samples-@8642-8667

8642-8648: Shale, 100%, as above, with trace bentonite, white to grey, & trace limestone, brown, argillaceous, sandy.

8648-8667: Sandstone, white, fine to coarse grained, poor to fair sorting, occasional grey chert grains, sub-round to round, friable to unconsolidated, possibly clay filled, poor to fair porosity, no show.

C.O. Samples-@8667-8684

8667-8684: Sandstone, 50%, predominantly as above, & medium grained, platy, hard, no porosity, no show. Shale, black, blocky, siliceous, hard, & grey, firm, fissile, silty. Abundant pyrite.

D.S.T. #3-8648-8684

8684-8698: Shale, 90%, predominantly grey-green, red, part waxy, silty, abundant black, fissile, hard. Sandstone, white, medium to coarse grained, siliceous, hard, no porosity, no show.

TOP OF THE MORRISON FORMATION @8698

8698-8715: Shale, dark brown to black, hard, fissile. Sandstone, 10%, white, medium to coarse grained, scattered coarse grained chert, brown, milky, hard, silica & clay cement, no porosity, no show. Trace sandstone, green, coarse grained, argillaceous, no porosity.

8715-8735: Shale, predominantly green, waxy, fissile. Trace Sandstone, conglomeratic, very fine to fine grained with occasional coarse grains of tan chert.

8735-8785: Shale as above, marroon becoming very abundant. Trace sandstone, white, pink, green, medium to coarse grained, scattered feldspar & brown chert grains, no porosity, no show

8785-8822: Shale as above, with very abundant dark brown to black, slightly calcareous. Samples becoming more calcareous.

8822-8925: Shale as above, predominantly red, marroon, orange, white, part very calcareous, silty, sandy. Trace sandstone.

8925-8955: Shale, green, grey-green, non calcareous, siliceous, silty, sandy, grading to trace green, very argillaceous, sandstone.

8955-9007: Shale as above & claystone white, very calcareous, & shale, brown, carbonaceous. Minor amount Sandstone, white, very fine grained, calcareous clay filled, no porosity, no show.

9007-9055: Shale, varicolored, predominantly red, marroon, purple, part very sandy. Sandstone, white, pink, red, very fine grained, platy, hard, no porosity, no show.

9055-9102: Shale as above. Sandstone, white, clear, very fine to fine grained, platy, part medium to coarse grained, abundant black & brown chert grains, calcareous friable to hard siliceous, no porosity, no show.

9102-9275: Shale, varicolored, predominantly red, & sandstone, platy, cherty hard as above. Occasional trace varigated chert.

9275-9298: As above with minor amount Limestone, brown, grey-tan, pelletal, part sandy, dense.

9298-9312: Shale varicolored as above with trace shale blue, fissile, firm sandy, abundant white, non-calcareous, fissile, firm, sandy, & claystone, white, with brown mottling, calcareous, soft, sandy.

TOP OF THE ENTRADA SANDSTONE @9312

C.O. Samples-@9320-9334

9312-9335: Sandstone, clear, fine grained, abundant black carbonaceous grains, friable to unconsolidated, poor to fair porosity, no show.

9335-9360: Shale, 80%, varigated, green, red, lavender, blue, black. Sandstone as above. Occasional trace limestone, brown pelletal.

[illegible]: D.S.T. #4 @9288-9340 (straddle packer test)
D.S.T. #6 @9296-9465 (" " ")

9360-9452: Shale, varicolored, as above. Sandstone, white, clear, fine to medium grained, occasional trace of glauconite & brown chert grains, friable to unconsolidated, poor to fair porosity, no show.

TOP OF THE CARMEL FORMATION @9452

9452-9502: Shale, predominantly black, silty, carbonaceous, abundant varicolored, white, marroon, blue-green, blue, red, purple. Minor amount of sandstone as above.

TOP OF THE GLEN CANYON FORMATION @9500
C.O. Samples-@9496-9515

9502-9515: As above with trace sandstone, bright green, very fine grained, slightly pyritic, friable, poor porosity, no show. Trace conglomerate, black chert pebbles in grey shale matrix. Heavy trace chert, orange, green, tan, milky.

9515-9540: Sandstone white, very fine to fine grained, silty, predominantly platy, friable to hard, part pyritic, no porosity, no show. Shale, varicolored as above.

9540-9568: Shale predominantly dark brown, sandy, hard, faint cut when crushed in chlorethane. Sandstone as above.

9568-9575: Sandstone, clear, very fine to fine grained, fair sorting, sub-round to round, unconsolidated, possible soft clay filled, poor to fair porosity, no odor, stain, florescence, very slight cut when soaked in chlorethane.

957509603: Shale, brown, carbonaceous, sandy, with thin lamina of sandstone brown, very fine grained, very argillaceous, no porosity, no show.

DST #5 @9532-9603

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: U-9211

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: SE Flank Uinta

9. WELL NO.: 1-5

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5-T15S, R23E, SLM

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

1. OIL WELL ☐ GAS WELL ☐ OTHER Wildcat

2. NAME OF OPERATOR: CHORNEY OIL COMPANY

3. ADDRESS OF OPERATOR: P. O. Box 144, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NE NE, Sec. 5, T15S, R23E, SLM (605'FNL & 810'FEL) Uintah County, Utah

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 7426' Grd. 7437' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	X
REPAIR WELL	☐	CHANGE PLANS	☐				
(Other)				(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Verbal approval was received from Mr. Paul Buschell, UO&GCC and Mr. Gerald Daniels, U.S.G.S., to plug and abandon. Plugs were placed as follows:

Plug No.	Depth	Amount
1	9450-9300'	45 sx.
2	8550-8700'	45 sx.
3	4650-4750'	30 sx.
4	2100-2200'	30 sx.
5	490-580'	30 sx. (across casing shoe)
6	At surface with marker	10 sx.

Surface has been restored and is ready for inspection.

PLEASE HOLD REPORT CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

Original Signed by
SIGNED Sam T. Boltz, Jr. TITLE Operations Manager DATE July 28, 1972
Sam T. Boltz, Jr.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

cc: UO&GC
Pacific Gas Transmission
Mono Power Co.
Union Oil Co.

*See Instructions on Reverse Side

CHORNEY OIL COMPANY
S.E.FLANK NO.1-5
WILDCAT
UINTAH
UTAH

PRESENTATION PROGRAM
VERSION 9
08/30/71

CORISAND JOB

TAPE LABEL CHORNEY OIL COMPANY S.E.FLANK NO.1-5

THIS JOB IS IN FEET

THE INTERVAL FOR THIS JOB IS BOTTOM TO TOP

MAKE 2 LISTINGS
AND MAKE A FILM

FREQUENCY OF LISTING IS 1 FEET

DISCRIMINATION MADE ON LISTING IS FROM VSH 50

THE E-4 EQUATION IS USED FOR PERMEABILITY

NO LIMIT ON SW MAXIMUM

THE CONSTANT USED IN THE E-4 EQUATION IS 250.

Schlumberger

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS PORO*FT	CUMULATIVE INTEGRATIONS HC*FT
3823.0	.12	100	11.2	.0	2.78	28	70.74	2.27
3824.0	.48	89	13.5	.0	2.79	11	70.62	2.26
3825.0	.11	100	11.0	.0	2.78	28	70.49	2.25
3826.0	.15	100	11.6	.5	2.78	27	70.37	2.25
3827.0	.06	100	10.0	2.3	2.77	44	70.26	2.25
3828.0	.15	98	11.5	1.5	2.78	36	70.16	2.25
3829.0	.03	100	8.8	3.3	2.77	50	70.04	2.24
3837.0	.08	100	10.5	1.3	2.89	41	69.83	2.24
3838.0	.05	100	9.8	1.4	2.92	45	69.72	2.24
3839.0	.08	100	10.3	.0	2.85	42	69.63	2.24
3840.0	.11	100	11.0	.0	2.85	39	69.52	2.24
3859.0	.12	100	11.2	.0	2.77	37	68.97	2.23
3860.0	.08	100	10.3	.0	2.77	42	68.86	2.23
3861.0	.05	100	9.5	.0	2.84	47	68.76	2.23
3864.0	.19	100	12.1	.0	2.92	32	68.49	2.23
3865.0	.57	100	14.4	.0	2.86	19	68.36	2.23
3866.0	.49	100	14.1	.0	2.85	21	68.22	2.23
3867.0	.30	100	13.0	.0	2.85	27	68.08	2.23
3868.0	.20	100	12.1	.0	2.87	32	67.96	2.23
3869.0	.20	100	12.2	.0	2.86	32	67.83	2.23
3870.0	.12	100	11.1	.0	2.85	38	67.72	2.23
3871.0	.35	100	13.3	.0	2.87	25	67.60	2.23
3872.0	1.03	100	15.9	.0	2.87	11	67.46	2.23
3873.0	.53	100	15.4	.0	2.82	14	67.30	2.23
3874.0	1.14	100	16.2	.0	2.81	9	67.15	2.23
3875.0	.88	100	15.5	.0	2.78	13	66.99	2.23
3876.0	.88	100	15.5	.0	2.75	13	66.83	2.23
3877.0	.45	100	13.9	.0	2.77	22	66.67	2.23
3878.0	.30	100	13.0	.0	2.79	27	66.53	2.23
3879.0	.13	100	11.3	.0	2.76	37	66.41	2.23
3880.0	.09	100	10.7	.0	2.79	40	66.30	2.23
3881.0	.04	100	9.3	.0	2.74	48	66.20	2.23
3895.0	.07	100	10.1	3.1	2.92	43	65.38	2.23
3896.0	.07	100	10.1	6.1	2.95	43	65.28	2.23
3910.0	.22	100	12.3	.0	2.80	31	64.50	2.23
3911.0	.45	100	13.9	.0	2.80	22	64.37	2.23

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DEPTH FEET	PERM-TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
3912.0	.60	100	14.6	.0	2.79	18	64.23	2.23
3913.0	.76	100	15.1	.0	2.80	15	64.09	2.23
3914.0	.75	100	15.1	.0	2.81	16	63.93	2.23
3915.0	1.11	100	15.2	.0	2.81	10	63.78	2.23
3916.0	1.09	100	15.1	.0	2.81	10	63.62	2.23
3917.0	1.07	100	15.0	.0	2.81	10	63.46	2.23
3918.0	.93	100	15.7	.0	2.81	12	63.30	2.23
3919.0	.80	100	15.3	.0	2.83	14	63.14	2.23
3920.0	1.04	100	16.0	.0	2.83	11	62.99	2.23
3921.0	.74	100	15.1	.0	2.83	16	62.83	2.23
3922.0	.50	100	14.1	.0	2.82	21	62.68	2.23
3923.0	.55	100	14.8	.0	2.86	18	62.54	2.23
3924.0	.71	100	15.0	.0	2.84	16	62.39	2.23
3925.0	.32	100	13.1	.0	2.79	27	62.24	2.23
3926.0	.22	100	12.3	.0	2.75	31	62.11	2.23
3927.0	.17	100	11.8	.0	2.78	34	61.99	2.23
3961.0	2.99	56	15.7	.0	2.87	12	61.55	2.16
4084.0	.08	100	10.3	.0	2.76	42	60.26	1.96
4085.0	.10	100	10.8	.0	2.79	40	60.16	1.96
4096.0	.10	100	10.6	.0	2.77	39	59.75	1.95
4097.0	.13	100	11.2	.2	2.77	37	59.65	1.95
4102.0	.02	100	8.3	.0	2.78	46	59.46	1.95
4106.0	.05	100	9.6	.0	2.84	45	59.22	1.95
4220.0	.00	100	5.0	.0	2.80	35	58.63	1.91
4255.0	.00	100	5.1	.0	2.80	40	58.52	1.91
4259.0	.00	100	3.6	3.8	2.80	50	58.48	1.91
4297.0	.18	100	11.9	.0	2.77	33	57.22	1.91
4298.0	.20	100	12.2	.0	2.77	32	57.09	1.91
4299.0	.03	100	8.9	1.2	2.77	50	56.96	1.91
4320.0	.08	100	9.9	.0	2.75	45	56.36	1.90

Schlumberger

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS PORHPT	CUMULATIVE INTEGRATIONS HCHPT
4347.0	.01	100	6.9	.0	2.80	19	55.88	1.90
4348.0	.02	100	8.0	.4	2.80	22	55.61	1.90
4383.0	.04	100	9.2	.0	2.76	49	54.68	1.90
4397.0	.03	100	9.0	.0	2.76	49	54.04	1.90
4412.0	.09	100	10.6	1.4	2.77	40	53.44	1.90
4414.0	.04	100	9.3	.7	2.77	47	53.27	1.90
4418.0	.06	100	10.0	.0	2.77	44	53.08	1.90
4419.0	.03	100	8.9	1.4	2.77	50	52.91	1.90
4462.0	.03	100	9.0	.0	2.79	26	52.23	1.89
4463.0	.02	100	8.3	.0	2.79	33	52.15	1.89
4464.0	.09	100	10.7	.0	2.79	19	52.09	1.89
4465.0	.01	100	7.8	.0	2.79	39	51.96	1.89
4475.0	.01	100	6.0	.0	2.79	47	51.78	1.89
4535.0	.00	100	5.2	.0	2.80	48	51.06	1.89
4541.0	.05	100	9.5	.0	2.79	21	50.83	1.89
4542.0	.09	100	10.6	.0	2.79	13	50.73	1.89
4543.0	.06	100	10.0	.0	2.79	25	50.68	1.89
4544.0	.07	100	10.1	.0	2.79	25	50.53	1.89
4545.0	.05	100	9.8	.0	2.79	26	50.43	1.89
4546.0	.01	100	7.2	.0	2.79	36	50.34	1.89
4547.0	.02	100	8.2	.0	2.79	33	50.27	1.89
4548.0	.01	100	7.3	.0	2.79	39	50.15	1.89
4549.0	.02	100	8.4	.0	2.79	33	50.11	1.89
4550.0	.01	100	7.0	.0	2.79	43	50.02	1.89
4554.0	.01	100	6.8	.0	2.79	45	49.80	1.89
4555.0	.00	100	5.0	.0	2.79	43	49.78	1.89

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS PSR-FT	CUMULATIVE INTEGRATIONS HC-FT
4683.0	.12	100	11.2	.0	2.78	32	49.22	1.88
4684.0	.58	89	13.9	.0	2.75	0	49.09	1.87
4685.0	.26	95	12.5	.0	2.76	0	48.96	1.86
4686.0	.72	82	14.1	.0	2.77	0	48.83	1.85
4687.0	.56	89	13.9	.0	2.76	0	48.69	1.83
4688.0	.38	97	13.4	.0	2.79	0	48.56	1.82
4689.0	.05	100	9.5	.0	2.79	22	48.44	1.82
4690.0	1.49	80	15.7	.0	2.79	0	48.32	1.81
4691.0	.13	100	11.3	.0	2.77	14	48.18	1.80
4692.0	.27	100	12.8	.0	2.79	2	48.07	1.80
4693.0	.39	100	13.6	.0	2.75	0	47.94	1.80
4694.0	.84	95	15.2	.0	2.75	0	47.80	1.80
4695.0	.63	100	14.7	.0	2.78	5	47.65	1.79
4696.0	.90	100	15.6	.3	2.78	0	47.51	1.79
4697.0	.71	100	15.0	.1	2.78	7	47.35	1.79
4698.0	2.27	83	17.1	.2	2.77	0	47.20	1.79
4699.0	1.61	81	16.1	.0	2.76	0	47.03	1.76
4700.0	2.19	73	16.4	.0	2.75	0	46.87	1.73
4701.0	1.59	74	15.5	.0	2.77	0	46.70	1.68
4702.0	.95	77	14.5	.0	2.78	0	46.55	1.64
4703.0	.30	87	12.4	.0	2.76	12	46.41	1.61
4704.0	1.25	69	14.6	.0	2.79	0	46.28	1.60
4705.0	1.79	65	15.2	.0	2.78	0	46.14	1.55
4706.0	.92	73	14.1	.0	2.76	0	45.99	1.50
4707.0	.31	88	12.6	.0	2.76	0	45.85	1.47
4708.0	.01	100	7.2	.0	2.79	34	45.73	1.46
4710.0	.01	100	7.1	.0	2.78	50	45.65	1.46
4711.0	.02	100	8.4	.0	2.78	42	45.59	1.46
4712.0	.08	100	10.4	.0	2.78	0	45.48	1.46
4713.0	.02	100	8.5	.0	2.78	0	45.39	1.46
4714.0	.00	100	4.7	.0	2.81	27	45.31	1.46
4715.0	.00	100	3.4	.0	2.82	35	45.27	1.46
4716.0	.00	100	3.1	.0	2.82	39	45.24	1.46
4718.0	.00	100	4.6	.0	2.81	33	45.18	1.46
4719.0	.00	100	4.2	.0	2.81	34	45.13	1.46
4720.0	.01	100	7.2	.0	2.80	26	45.08	1.46
4721.0	.10	100	10.8	.0	2.79	21	45.00	1.46
4722.0	.15	96	11.4	.0	2.79	15	44.89	1.46
4723.0	.11	100	11.0	.0	2.77	0	44.77	1.45
4724.0	.04	100	9.5	.0	2.78	0	44.67	1.45
4725.0	.11	100	11.1	.0	2.78	0	44.57	1.45
4726.0	.06	100	10.0	.0	2.80	1	44.46	1.45

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DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
4727.0	.03	100	8.6	.0	2.80	12	44.37	1.45
4728.0	.03	100	9.0	.0	2.80	2	44.28	1.45
4729.0	.02	100	8.2	.0	2.80	0	44.20	1.45
4730.0	.01	100	7.7	.0	2.80	2	44.11	1.45
4731.0	.01	100	7.8	.0	2.80	1	44.05	1.45
4732.0	.01	100	7.3	.0	2.77	0	43.97	1.45
4733.0	.00	100	6.4	.0	2.81	13	43.89	1.45
4734.0	.02	100	8.0	.0	2.80	12	43.82	1.45
4735.0	.01	100	5.6	.0	2.80	35	43.75	1.45
4736.0	.00	100	4.6	.0	2.80	44	43.68	1.45
4737.0	.00	100	4.9	.0	2.81	26	43.64	1.45
4738.0	.01	100	7.5	.0	2.80	6	43.59	1.45
4739.0	.01	100	7.0	.0	2.80	8	43.51	1.45
4740.0	.05	100	9.6	.0	2.80	0	43.44	1.45
4741.0	.02	100	8.5	.0	2.80	9	43.35	1.45
4742.0	.03	100	8.8	.0	2.80	11	43.26	1.45
4743.0	.04	100	9.1	.0	2.80	7	43.17	1.45
4744.0	.03	100	8.9	.0	2.80	1	43.08	1.45
4745.0	.01	100	7.9	.0	2.80	7	42.99	1.45
4746.0	.06	100	9.9	.0	2.79	0	42.90	1.45
4747.0	.03	100	8.9	.0	2.79	0	42.80	1.45
4748.0	.04	100	9.1	.0	2.79	0	42.71	1.45
4749.0	.02	100	8.3	.0	2.78	0	42.62	1.45
4750.0	.01	100	7.3	.0	2.81	1	42.54	1.45
4751.0	.01	100	6.6	.0	2.81	5	42.47	1.45
4752.0	.01	100	7.1	.0	2.81	0	42.40	1.45
4753.0	.01	100	6.9	.0	2.80	13	42.34	1.45
4754.0	.01	100	6.6	.0	2.80	17	42.27	1.45
4755.0	.04	100	9.3	.0	2.79	0	42.20	1.45
4756.0	.04	100	9.2	.0	2.78	0	42.11	1.45
4757.0	.03	100	8.7	.0	2.77	0	42.02	1.45
4758.0	.02	100	8.5	.0	2.76	0	41.93	1.45
4759.0	.01	100	7.0	.0	2.77	0	41.85	1.45
4760.0	.00	100	5.9	.0	2.81	11	41.78	1.45
4764.0	.00	100	3.7	.0	2.81	48	41.68	1.45
4765.0	.00	100	5.3	.0	2.80	26	41.63	1.45
4766.0	.00	100	4.3	.0	2.81	38	41.58	1.45
4767.0	.00	100	6.3	.0	2.80	26	41.53	1.45
4775.0	.01	100	7.0	.0	2.79	47	41.40	1.44
4776.0	.07	100	10.2	.0	2.79	13	41.32	1.44
4777.0	.04	100	9.2	.0	2.79	20	41.23	1.44
4778.0	.02	100	8.3	.0	2.79	23	41.14	1.44
4779.0	.03	100	8.6	.0	2.80	9	41.06	1.44
4780.0	.09	100	10.6	.0	2.77	0	40.97	1.44

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
4781.0	.15	100	11.5	.0	2.75	0	40.86	1.44
4782.0	.19	100	12.1	.0	2.77	0	40.74	1.44
4783.0	.06	100	9.8	.0	2.79	14	40.62	1.44
4784.0	.03	100	8.6	.0	2.80	18	40.53	1.44
4785.0	.09	100	10.7	.0	2.79	3	40.44	1.44
4786.0	.00	100	5.2	.0	2.81	30	40.34	1.44
4787.0	.00	100	5.6	.0	2.80	30	40.29	1.44
4788.0	.04	100	9.2	.0	2.80	10	40.22	1.44
4789.0	.08	100	10.4	.0	2.79	6	40.13	1.44
4790.0	.01	100	7.8	.0	2.80	21	40.03	1.44
4791.0	.00	100	4.1	.0	2.81	42	39.96	1.44
4792.0	.00	100	2.4	.0	2.83	47	39.93	1.44
4793.0	.00	100	5.6	.0	2.81	24	39.89	1.44
4794.0	.00	100	4.5	.0	2.81	36	39.83	1.44
4795.0	.00	100	3.3	.0	2.81	50	39.79	1.44
4796.0	.00	100	5.7	.0	2.80	40	39.75	1.44
4797.0	.01	100	7.6	.0	2.80	28	39.70	1.44
4798.0	.08	100	10.4	.0	2.79	16	39.61	1.44
4799.0	.13	100	11.3	.0	2.79	9	39.51	1.44
4800.0	.29	100	12.9	.0	2.77	0	39.39	1.44
4801.0	.22	100	12.3	.0	2.78	0	39.26	1.44
4802.0	.28	100	12.8	.0	2.78	0	39.13	1.44
4803.0	.29	100	12.9	.0	2.75	0	39.01	1.44
4804.0	.16	100	11.7	.0	2.79	0	38.88	1.44
4805.0	.11	100	11.0	.0	2.79	11	38.76	1.44
4806.0	.03	100	8.6	.0	2.79	27	38.66	1.44
4807.0	.07	100	10.3	.0	2.79	18	38.57	1.44
4808.0	.10	100	10.7	.0	2.79	19	38.46	1.44
4809.0	.01	100	7.6	.0	2.79	38	38.35	1.44
4812.0	.00	100	4.7	.0	2.80	47	38.20	1.44
4813.0	.02	100	8.1	.0	2.79	28	38.14	1.44
4814.0	.05	100	9.8	.0	2.79	15	38.05	1.44
4815.0	.01	100	7.2	.0	2.80	24	37.97	1.44
4816.0	.09	100	10.6	.0	2.79	5	37.89	1.44
4817.0	.09	100	10.6	.0	2.79	4	37.78	1.44
4818.0	.06	100	10.0	.0	2.80	5	37.67	1.44
4819.0	.10	100	10.9	.0	2.79	0	37.56	1.44
4820.0	.04	100	9.5	.0	2.80	10	37.46	1.44
4821.0	.04	100	9.3	.0	2.79	13	37.36	1.44
4822.0	.01	100	7.1	.0	2.80	23	37.27	1.44
4823.0	.00	100	6.4	.0	2.80	26	37.20	1.44
4824.0	.00	100	3.5	.0	2.82	40	37.15	1.44
4825.0	.00	100	5.2	.0	2.80	32	37.10	1.44
4826.0	.01	100	6.8	.0	2.80	26	37.05	1.44
4827.0	.01	100	7.3	.0	2.80	24	36.97	1.44
4828.0	.00	100	5.1	.0	2.80	36	36.90	1.44

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR*FT	CUMULATIVE INTEGRATIONS HC*FT
4829.0	.00	100	4.4	.0	2.80	46	36.86	1.44
4830.0	.00	100	4.4	.0	2.80	48	36.81	1.44
4833.0	.00	100	4.2	.0	2.80	50	36.69	1.44
4890.0	.00	100	5.4	.0	2.80	41	36.07	1.42
4891.0	.00	100	5.4	.0	2.80	38	36.01	1.42
4892.0	.00	100	4.5	.0	2.80	46	35.97	1.42
4893.0	.00	100	4.4	.0	2.80	50	35.92	1.42
5750.0	.01	100	5.9	.0	2.80	24	35.27	1.41
5751.0	.01	100	6.8	.0	2.80	21	35.20	1.41
5752.0	.01	100	5.7	.0	2.80	24	35.13	1.41
5753.0	.00	100	5.8	.0	2.80	28	35.07	1.41
5754.0	.01	100	7.7	.0	2.80	18	35.01	1.41
5755.0	.03	100	9.1	.0	2.80	13	34.93	1.41
5756.0	.01	100	7.3	.0	2.80	27	34.85	1.41
5757.0	.00	100	4.5	.0	2.80	41	34.79	1.41
5758.0	.00	100	3.7	.0	2.81	49	34.74	1.41
5760.0	.00	100	4.4	.0	2.80	46	34.66	1.41
5761.0	.00	100	6.2	.0	2.79	43	34.61	1.41
5762.0	.00	100	4.4	.0	2.80	43	34.55	1.41
5763.0	.00	100	1.9	.0	2.83	46	34.51	1.41
5764.0	.00	100	5.7	.0	2.81	18	34.48	1.41
5765.0	.01	100	7.4	.0	2.80	9	34.42	1.41
5766.0	.00	100	3.8	.0	2.81	46	34.36	1.41
5774.0	.00	100	3.1	.0	2.82	45	34.25	1.41
5795.0	.00	100	4.6	.0	2.80	48	33.85	1.41
5845.0	.00	100	5.6	.0	2.80	38	33.33	1.40
5846.0	.00	100	3.0	.0	2.82	48	33.28	1.40
5856.0	.00	100	4.9	.0	2.80	47	33.10	1.40
5857.0	.00	100	5.2	.0	2.80	43	33.04	1.40
5864.0	.00	100	3.9	.0	2.81	44	32.90	1.40

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DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
5865.0	.00	100	1.7	.0	2.84	50	32.86	1.40
5874.0	.01	100	7.2	.0	2.79	33	32.67	1.40
5875.0	.01	100	7.2	.0	2.79	36	32.60	1.40
5876.0	.00	100	6.5	.5	2.79	48	32.53	1.40
5887.0	.00	100	4.2	.0	2.81	38	32.33	1.40
5888.0	.01	100	7.4	.0	2.80	15	32.28	1.40
5889.0	.00	100	4.2	.0	2.81	33	32.21	1.40
5896.0	.00	100	4.5	.0	2.80	43	32.05	1.40
5898.0	.01	100	6.8	.0	2.80	38	31.98	1.40
5899.0	.02	100	8.6	.0	2.79	23	31.90	1.40
5900.0	.00	100	4.2	.0	2.81	39	31.83	1.40
5901.0	.00	100	4.9	.0	2.81	28	31.78	1.40
5902.0	.00	100	5.0	.0	2.81	27	31.74	1.40
5903.0	.00	100	3.8	.0	2.81	40	31.69	1.40
5905.0	.00	100	4.4	.0	2.80	46	31.62	1.40
5907.0	.00	100	6.0	.0	2.80	33	31.55	1.40
5908.0	.01	100	6.6	.0	2.80	23	31.49	1.40
5909.0	.00	100	2.9	.0	2.82	40	31.43	1.40
5910.0	.00	100	5.9	.0	2.80	26	31.40	1.40
5911.0	.00	100	4.0	.0	2.81	41	31.34	1.40
5912.0	.00	100	4.1	.0	2.80	48	31.29	1.40
5914.0	.00	100	5.8	.0	2.79	48	31.21	1.40
5915.0	.01	100	7.7	.0	2.79	31	31.15	1.40
5916.0	.00	100	6.4	.0	2.80	31	31.07	1.40
5917.0	.03	100	8.7	.0	2.80	15	31.00	1.40
5918.0	.03	100	9.0	.0	2.79	17	30.92	1.40
5919.0	.01	100	6.8	.0	2.80	29	30.85	1.40
5920.0	.00	100	5.9	.0	2.80	38	30.76	1.40
5921.0	.01	100	6.7	.0	2.80	32	30.70	1.40
5922.0	.00	100	4.9	.0	2.81	32	30.64	1.40
5923.0	.00	100	5.6	.0	2.80	28	30.59	1.40
5924.0	.00	100	6.0	.0	2.80	36	30.53	1.40
5925.0	.00	100	5.6	.0	2.80	44	30.48	1.40
5926.0	.00	100	5.7	.0	2.80	45	30.43	1.40

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
5927.0	.00	100	5.1	.0	2.80	47	30.37	1.40
5928.0	.00	100	6.2	.0	2.80	35	30.32	1.40
5929.0	.00	100	4.0	.0	2.81	42	30.26	1.40
5930.0	.00	100	6.2	.0	2.80	28	30.22	1.40
5931.0	.00	100	4.9	.0	2.80	43	30.15	1.40
5932.0	.00	100	6.4	.0	2.80	39	30.10	1.40
5933.0	.00	100	4.8	.0	2.80	44	30.04	1.40
5934.0	.00	100	6.5	.0	2.80	33	29.99	1.40
5935.0	.01	100	6.9	.0	2.80	27	29.93	1.40
5936.0	.02	100	7.9	.0	2.80	23	29.85	1.40
5937.0	.00	100	4.0	.0	2.81	44	29.79	1.40
5938.0	.00	100	5.4	.0	2.80	45	29.74	1.40
5939.0	.00	100	5.4	.0	2.80	48	29.69	1.40
5941.0	.00	100	4.8	.0	2.80	44	29.60	1.40
5946.0	.00	100	5.5	.0	2.80	40	29.47	1.40
5947.0	.00	100	6.0	.0	2.80	42	29.41	1.40
5948.0	.00	100	5.0	.0	2.80	40	29.34	1.40
5949.0	.00	100	6.2	.0	2.80	31	29.29	1.40
5950.0	.01	100	6.8	.0	2.80	28	29.23	1.40
5951.0	.00	100	5.7	.0	2.80	39	29.16	1.40
5952.0	.00	100	2.8	.0	2.82	49	29.11	1.40
5955.0	.00	100	5.2	.0	2.80	42	29.03	1.40
5956.0	.00	100	4.0	.0	2.80	48	28.98	1.40
5957.0	.00	100	6.5	.0	2.80	35	28.93	1.40
5958.0	.02	100	8.4	.0	2.79	26	28.86	1.40
5959.0	.01	100	7.4	.0	2.79	31	28.79	1.40
5960.0	.00	100	6.2	.0	2.80	33	28.71	1.40
5961.0	.01	100	7.2	.0	2.80	26	28.65	1.40
5962.0	.01	100	6.9	.0	2.80	32	28.58	1.40
5963.0	.00	100	6.1	.0	2.80	40	28.51	1.40
5964.0	.00	100	5.9	.0	2.80	44	28.45	1.40
5965.0	.00	100	5.5	.0	2.79	49	28.39	1.40
5967.0	.00	100	4.6	.0	2.80	50	28.30	1.40
5968.0	.00	100	6.2	.0	2.79	44	28.25	1.40
5969.0	.00	100	5.6	.0	2.80	44	28.18	1.40
5970.0	.00	100	5.7	.0	2.80	37	28.13	1.40
5971.0	.00	100	6.3	.0	2.80	37	28.07	1.40
5972.0	.00	100	4.3	.0	2.80	50	28.01	1.40
5973.0	.00	100	5.8	.0	2.80	44	27.96	1.40

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
5975.0	.00	100	5.3	.0	2.80	42	27.85	1.40
5976.0	.02	100	8.3	.0	2.79	36	27.79	1.40
5977.0	.02	100	8.5	.0	2.79	29	27.70	1.40
5981.0	.00	100	6.0	.0	2.80	43	27.55	1.40
5982.0	.00	100	5.4	.0	2.80	48	27.48	1.40
5984.0	.00	100	5.4	.0	2.80	49	27.36	1.40
5985.0	.00	100	5.8	.0	2.80	40	27.31	1.40
5986.0	.03	100	8.7	.0	2.79	23	27.25	1.40
5987.0	.00	100	5.7	.0	2.80	44	27.18	1.40
5989.0	.00	100	5.6	.0	2.79	49	27.08	1.40
5998.0	.00	100	4.4	.0	2.80	50	26.84	1.40
5999.0	.00	100	5.1	.0	2.80	37	26.79	1.40
6000.0	.00	100	4.5	.0	2.81	35	26.75	1.40
6656.0	.71	100	15.0	.0	2.00	0	25.77	1.34
7552.0	.00	100	1.0	.0	2.67	50	24.30	1.21
8208.0	.00	100	.0	.0	2.73	48	22.52	.98
8429.0	.00	100	1.4	.0	2.66	36	21.87	.98
8430.0	.00	100	2.1	1.3	2.65	44	21.85	.98
8451.0	.00	100	2.9	.0	2.65	39	21.68	.98
8452.0	.00	100	3.2	.0	2.65	31	21.66	.98
8453.0	.00	100	3.8	.0	2.65	30	21.62	.98
8454.0	.00	100	2.9	.0	2.65	31	21.59	.98
8455.0	.00	100	3.0	.0	2.65	27	21.56	.98
8456.0	.00	100	1.5	.0	2.66	28	21.54	.98
8457.0	.00	100	1.5	.0	2.66	29	21.52	.98
8458.0	.00	100	.7	.0	2.68	37	21.51	.98
8459.0	.00	100	1.7	.0	2.65	45	21.50	.98
8485.0	.00	100	.0	.0	2.71	41	21.35	.98

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DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
8487.0	.00	100	1.4	.0	2.66	37	21.35	.98
8488.0	.00	100	3.6	1.7	2.65	37	21.33	.98
8489.0	.02	100	8.6	3.1	2.64	38	21.28	.98
8505.0	.00	100	3.3	.0	2.65	49	21.13	.98
8506.0	.00	100	3.0	.0	2.65	49	21.00	.98
8540.0	.00	100	5.8	1.1	2.65	37	20.89	.98
8541.0	.01	100	5.6	4.7	2.65	50	20.84	.98
8550.0	.01	100	6.7	.0	2.65	37	20.55	.98
8551.0	.00	100	5.5	.0	2.65	38	20.49	.98
8552.0	.00	100	6.3	.0	2.65	24	20.43	.98
8553.0	.06	100	10.0	.0	2.65	5	20.36	.98
8554.0	.00	100	6.5	.0	2.65	17	20.25	.98
8555.0	.01	100	7.3	.0	2.65	24	20.20	.98
8556.0	.00	100	5.4	.0	2.65	32	20.13	.98
8557.0	.01	100	6.7	.0	2.65	20	20.08	.98
8558.0	.00	100	3.4	.0	2.65	24	20.02	.98
8559.0	.00	100	3.8	.0	2.65	23	19.98	.98
8570.0	.00	100	5.2	.0	2.65	25	19.94	.98
8571.0	.00	100	6.3	.0	2.65	19	19.88	.98
8572.0	.01	100	7.5	.0	2.65	14	19.81	.98
8573.0	.00	100	5.2	.0	2.65	23	19.74	.98
8574.0	.01	100	6.9	1.0	2.65	13	19.69	.98
8575.0	.00	100	5.6	5.6	2.65	50	19.62	.98
8578.0	.01	100	7.2	6.5	2.65	39	19.54	.98
8581.0	.00	100	6.0	.0	2.65	25	19.44	.98
8582.0	.04	100	9.4	.7	2.65	29	19.37	.98
8618.0	.00	100	4.3	.0	2.65	37	19.25	.98
8619.0	.00	100	5.0	.0	2.65	21	19.19	.98
8620.0	.00	100	4.8	.0	2.65	36	19.14	.98
8621.0	.00	100	5.0	.0	2.65	40	19.08	.98
8622.0	.05	100	9.8	.0	2.67	17	19.01	.98
8623.0	.09	100	10.5	.0	2.69	11	18.91	.98
8624.0	.09	100	10.7	.0	2.65	15	18.80	.97
8625.0	.30	88	12.4	.0	2.65	22	18.70	.97

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DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
8626.0	.07	100	10.2	.0	2.68	35	18.58	.96
8627.0	.09	96	10.5	.0	2.75	34	18.48	.96
8628.0	.15	93	11.2	.0	2.71	29	18.37	.95
8629.0	.17	90	11.4	.0	2.66	28	18.26	.95
8630.0	.22	77	11.3	.0	2.68	29	18.14	.93
8631.0	.25	59	10.6	.0	2.71	33	18.03	.90
8632.0	2.13	69	16.0	.0	2.73	0	17.92	.86
8633.0	1.05	100	16.0	4.6	2.71	0	17.76	.83
8638.0	.00	100	1.1	1.1	2.67	43	17.50	.83
8643.0	.00	100	1.6	.0	2.65	47	17.45	.83
8644.0	.00	100	3.3	.0	2.65	43	17.43	.83
8645.0	.00	100	2.2	.0	2.65	49	17.40	.83
8646.0	.00	100	5.6	.0	2.65	25	17.37	.83
8647.0	.01	100	7.4	.0	2.65	19	17.31	.83
8648.0	.01	100	7.3	.0	2.65	16	17.23	.83
8649.0	.00	100	5.3	.0	2.65	33	17.16	.83
8650.0	.03	100	8.7	.0	2.66	26	17.10	.83
8651.0	.05	98	9.7	.0	2.66	20	17.01	.83
8652.0	.13	85	10.7	.0	2.66	13	16.91	.83
8653.0	.17	79	11.0	.0	2.66	0	16.81	.81
8654.0	.24	75	11.4	.0	2.66	0	16.70	.79
8655.0	.04	98	9.1	.0	2.65	15	16.58	.76
8656.0	.02	100	7.9	.0	2.65	28	16.49	.76
8657.0	.04	98	9.4	.0	2.67	17	16.41	.76
8658.0	.02	100	8.3	.0	2.65	18	16.32	.76
8659.0	.02	100	8.6	.0	2.65	19	16.23	.76
8660.0	.03	100	8.7	.0	2.65	16	16.14	.76
8661.0	.02	100	8.4	.0	2.65	15	16.06	.76
8662.0	.01	100	7.5	.0	2.65	27	15.98	.76
8663.0	.06	98	9.9	.0	2.65	30	15.90	.76
8664.0	.11	92	10.7	.0	2.68	33	15.80	.75
8665.0	.04	100	9.3	.0	2.65	37	15.70	.75
8666.0	.03	100	8.6	.0	2.71	29	15.61	.75
8667.0	.24	80	11.6	.0	2.71	14	15.51	.74
8668.0	.45	66	12.1	.0	2.67	14	15.40	.72
8669.0	.16	65	10.1	.0	2.69	19	15.29	.68
8670.0	.17	54	9.6	.0	2.68	23	15.19	.65
8671.0	.48	65	12.2	.4	2.67	16	15.09	.60
8672.0	.34	99	13.2	2.0	2.66	17	14.96	.57
8673.0	.12	100	11.2	.0	2.69	30	14.83	.57
8677.0	.07	100	10.1	2.2	2.64	37	14.74	.57

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DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
8679.0	.08	100	10.4	.1	2.84	34	14.58	.57
8680.0	.00	100	3.2	.0	2.65	33	14.50	.57
8690.0	1.05	100	16.0	.2	2.66	0	14.28	.57
8691.0	.33	100	13.2	3.7	2.64	8	14.12	.57
8692.0	.38	77	12.4	.7	2.66	0	13.99	.57
8693.0	.65	56	12.2	2.1	2.68	1	13.86	.53
8694.0	.14	93	11.2	.0	2.85	14	13.74	.48
8695.0	.03	100	9.0	.0	2.65	25	13.64	.48
8729.0	.00	100	.0	.0	2.75	46	13.56	.48
8770.0	.00	100	1.3	1.3	2.66	44	13.51	.48
8771.0	.00	100	1.5	.5	2.66	27	13.50	.48
8772.0	.00	100	1.2	1.2	2.67	40	13.48	.48
8818.0	.47	83	13.2	7.6	2.77	34	13.40	.48
8823.0	.00	100	.3	.3	2.70	41	13.27	.47
8824.0	.00	100	1.1	.0	2.66	47	13.26	.47
8841.0	.00	100	5.0	5.0	2.65	46	13.21	.47
8844.0	1.26	71	14.7	3.8	2.68	26	13.17	.46
8851.0	.00	100	1.2	.0	2.68	13	13.03	.43
8852.0	.00	100	.0	.0	2.75	26	13.02	.43
8856.0	.00	100	.7	.0	2.69	6	12.99	.43
8857.0	.00	100	.0	.0	2.71	7	12.99	.43
8858.0	.00	100	.9	.0	2.69	12	12.99	.43
8859.0	.00	100	.6	.6	2.69	40	12.98	.43
8872.0	.00	100	1.1	.0	2.66	48	12.97	.43
8873.0	.00	100	.7	.5	2.68	44	12.96	.43
8925.0	.00	100	.6	.0	2.69	40	12.73	.43

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DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
8925.0	.00	100	.0	.0	2.71	42	12.73	.43
8962.0	.00	100	1.0	1.0	2.67	40	12.39	.42
9008.0	.00	100	.4	.4	2.69	44	12.33	.42
9009.0	.00	100	.4	.0	2.70	29	12.33	.42
9026.0	.00	100	1.1	.0	2.68	32	12.27	.42
9027.0	.00	100	1.8	.0	2.67	5	12.25	.42
9028.0	.00	100	.8	.0	2.69	6	12.24	.42
9029.0	.00	100	1.3	.0	2.68	8	12.23	.42
9030.0	.00	100	4.9	.0	2.65	12	12.21	.42
9031.0	.26	75	11.6	3.8	2.82	42	12.15	.42
9058.0	.00	100	1.2	.0	2.66	45	12.07	.40
9059.0	.00	100	2.2	.0	2.65	21	12.05	.40
9060.0	.00	100	1.9	.0	2.67	8	12.03	.40
9061.0	.00	100	1.3	.0	2.68	3	12.02	.40
9062.0	.00	100	2.2	.7	2.66	5	12.00	.40
9063.0	.00	100	.4	.0	2.70	12	11.98	.40
9067.0	.00	100	.9	.0	2.69	19	11.97	.40
9068.0	.00	100	1.7	.0	2.67	17	11.96	.40
9069.0	.00	100	2.5	.0	2.65	31	11.94	.40
9070.0	.00	100	1.6	.0	2.66	24	11.92	.40
9071.0	.00	100	2.2	.0	2.66	10	11.90	.40
9072.0	.00	100	2.4	.0	2.65	6	11.88	.40
9073.0	.00	100	2.4	.0	2.66	5	11.86	.40
9074.0	.00	100	2.1	.0	2.66	4	11.83	.40
9075.0	.00	100	2.9	.3	2.65	3	11.81	.40
9076.0	.00	100	3.1	1.3	2.65	4	11.78	.40
9077.0	.00	100	2.5	.0	2.65	9	11.75	.40
9098.0	.00	100	.7	.0	2.68	40	11.72	.40
9099.0	.00	100	2.0	.0	2.66	12	11.71	.40
9100.0	.00	100	4.9	4.9	2.65	1	11.69	.40
9101.0	.26	79	11.7	11.4	2.63	0	11.63	.40
9112.0	.00	100	.2	.2	2.70	47	11.50	.38
9113.0	.00	100	.0	.0	2.71	41	11.50	.38

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
9554.0	.00	100	1.9	.0	2.67	4	.26	.00
9555.0	.00	100	1.4	.0	2.68	4	.24	.00
9556.0	.00	100	2.1	.0	2.66	11	.23	.00
9557.0	.00	100	2.3	.0	2.65	16	.21	.00
9558.0	.00	100	3.6	.0	2.65	28	.19	.00
9559.0	.03	100	8.8	.0	2.65	17	.14	.00
9570.0	.09	100	10.5	.0	2.65	6	.05	.00

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DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
9118.0	.00	100	.0	.0	2.72	39	11.50	.38
9133.0	.00	100	.9	.0	2.69	18	11.50	.38
9134.0	.00	100	.6	.0	2.69	17	11.49	.38
9145.0	.00	100	.8	.0	2.69	28	11.49	.38
9146.0	.00	100	.6	.0	2.69	9	11.48	.38
9147.0	.00	100	.2	.0	2.70	29	11.47	.38
9149.0	.00	100	.0	.0	2.75	46	11.47	.38
9150.0	.00	100	.9	.0	2.68	38	11.47	.38
9151.0	.00	100	1.4	.0	2.67	14	11.46	.38
9178.0	.00	100	.0	.0	2.72	34	11.45	.38
9179.0	.00	100	.5	.0	2.69	34	11.45	.38
9180.0	.00	100	.5	.1	2.69	44	11.44	.38
9188.0	.00	100	1.6	.0	2.65	39	11.41	.38
9189.0	.00	100	1.6	.0	2.67	11	11.39	.38
9190.0	.00	100	1.6	.0	2.67	6	11.38	.38
9191.0	.00	100	1.8	.0	2.67	7	11.36	.38
9192.0	.00	100	.4	.0	2.70	12	11.35	.38
9193.0	.00	100	.0	.0	2.73	42	11.34	.38
9195.0	.00	100	.0	.0	2.74	35	11.34	.38
9196.0	.00	100	1.1	.0	2.68	7	11.34	.38
9197.0	.00	100	1.8	.0	2.67	5	11.33	.38
9198.0	.00	100	1.5	.0	2.67	7	11.31	.38
9199.0	.00	100	.6	.0	2.69	8	11.30	.38
9200.0	.00	100	1.8	.0	2.67	8	11.29	.38
9201.0	.00	100	1.9	.0	2.67	9	11.27	.38
9202.0	.00	100	2.9	.0	2.65	7	11.25	.38
9203.0	.00	100	3.8	.5	2.65	3	11.22	.38
9204.0	.00	100	2.3	.0	2.66	6	11.18	.38
9205.0	.00	100	1.8	.0	2.67	6	11.16	.38
9206.0	.00	100	1.5	.0	2.67	9	11.15	.38
9207.0	.00	100	1.3	.0	2.68	10	11.13	.38
9208.0	.00	100	1.8	.0	2.67	12	11.12	.38
9209.0	.00	100	1.2	.0	2.68	8	11.10	.38
9210.0	.00	100	1.0	.0	2.68	13	11.09	.38
9211.0	.00	100	1.3	.0	2.68	7	11.08	.38
9212.0	.00	100	1.5	.0	2.67	9	11.06	.38

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
9213.0	.00	100	1.1	.0	2.68	11	11.05	.38
9214.0	.00	100	.6	.0	2.68	50	11.04	.38
9221.0	.00	100	.0	.0	2.73	50	11.04	.38
9222.0	.00	100	.7	.0	2.69	26	11.04	.38
9223.0	.00	100	.2	.0	2.70	30	11.03	.38
9224.0	.00	100	.0	.0	2.73	33	11.03	.38
9225.0	.00	100	.0	.0	2.71	40	11.03	.38
9226.0	.00	100	.0	.0	2.72	40	11.03	.38
9227.0	.00	100	.4	.0	2.70	37	11.03	.38
9228.0	.00	100	.4	.4	2.69	45	11.02	.38
9232.0	.00	100	1.1	.9	2.66	49	11.01	.38
9233.0	.00	100	1.6	.0	2.67	15	11.00	.38
9234.0	.00	100	1.2	.0	2.68	6	10.99	.38
9235.0	.00	100	.9	.0	2.69	9	10.98	.38
9236.0	.00	100	1.0	.0	2.68	16	10.96	.38
9237.0	.00	100	.5	.0	2.69	23	10.95	.38
9238.0	.00	100	.0	.0	2.71	29	10.95	.38
9239.0	.00	100	.5	.0	2.69	40	10.95	.38
9240.0	.00	100	1.0	.0	2.68	35	10.94	.38
9241.0	.00	100	.3	.0	2.70	37	10.93	.38
9242.0	.00	100	.0	.0	2.72	47	10.93	.38
9243.0	.00	100	.9	.0	2.68	41	10.93	.38
9244.0	.00	100	.7	.0	2.69	27	10.92	.38
9245.0	.00	100	.7	.0	2.69	21	10.91	.38
9246.0	.00	100	.0	.0	2.71	28	10.91	.38
9247.0	.00	100	.0	.0	2.71	43	10.91	.38
9248.0	.00	100	.6	.0	2.69	39	10.90	.38
9249.0	.00	100	.4	.0	2.70	37	10.90	.38
9250.0	.00	100	.5	.0	2.69	32	10.90	.38
9251.0	.00	100	.4	.0	2.70	30	10.89	.38
9252.0	.00	100	.8	.0	2.68	30	10.89	.38
9253.0	.00	100	1.2	.0	2.67	26	10.88	.38
9254.0	.00	100	.6	.0	2.69	28	10.87	.38
9255.0	.00	100	.0	.0	2.74	29	10.86	.38
9256.0	.00	100	.0	.0	2.72	36	10.86	.38
9260.0	.00	100	.3	.3	2.70	45	10.86	.38
9261.0	.00	100	.0	.0	2.71	48	10.86	.38
9266.0	.00	100	.0	.0	2.74	49	10.86	.38

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DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
9277.0	.00	100	1.4	1.4	2.67	30	10.81	.36
9278.0	.00	100	2.2	.9	2.65	16	10.79	.36
9279.0	.00	100	2.9	.0	2.65	28	10.77	.36
9280.0	.00	100	2.2	.0	2.65	28	10.75	.36
9281.0	.00	100	.0	.0	2.72	27	10.73	.36
9282.0	.00	100	.0	.0	2.71	29	10.73	.36
9283.0	.00	100	1.1	.0	2.68	12	10.73	.36
9284.0	.00	100	.8	.0	2.69	8	10.73	.36
9285.0	.00	100	1.8	.0	2.67	7	10.72	.36
9286.0	.00	100	1.8	.0	2.67	9	10.70	.36
9287.0	.00	100	1.4	.0	2.68	10	10.68	.36
9288.0	.00	100	1.7	.0	2.66	24	10.67	.36
9289.0	.00	100	.8	.0	2.68	34	10.65	.36
9290.0	.00	100	.9	.0	2.68	19	10.64	.36
9291.0	.00	100	.0	.0	2.72	20	10.64	.36
9292.0	.00	100	.0	.0	2.71	13	10.64	.36
9293.0	.00	100	.7	.0	2.69	10	10.63	.36
9294.0	.00	100	.5	.0	2.70	9	10.63	.36
9295.0	.00	100	1.7	.0	2.67	7	10.62	.36
9296.0	.00	100	1.5	.0	2.67	12	10.60	.36
9297.0	.00	100	1.9	.0	2.67	6	10.59	.36
9298.0	.00	100	1.4	.0	2.68	5	10.57	.36
9299.0	.00	100	1.9	.0	2.67	7	10.56	.36
9300.0	.00	100	1.4	.0	2.68	10	10.54	.36
9301.0	.00	100	2.7	.0	2.65	8	10.52	.36
9302.0	.00	100	3.9	2.2	2.65	2	10.49	.36
9303.0	.00	100	2.7	.0	2.65	6	10.45	.36
9304.0	.00	100	3.5	.0	2.65	8	10.42	.36
9305.0	.00	100	2.8	.0	2.65	11	10.39	.36
9306.0	.00	100	2.8	.0	2.65	11	10.36	.36
9307.0	.00	100	2.3	.0	2.66	7	10.33	.36
9308.0	.00	100	.4	.0	2.70	10	10.31	.36
9309.0	.00	100	.6	.0	2.70	8	10.31	.36
9310.0	.00	100	.8	.0	2.69	13	10.30	.36
9311.0	.00	100	.0	.0	2.78	49	10.30	.36
9313.0	.00	100	.0	.0	2.88	49	10.30	.36
9314.0	.00	100	3.5	.0	2.65	26	10.29	.36
9315.0	.16	60	9.9	3.4	2.66	0	10.25	.36
9316.0	15.14	32	17.3	4.4	2.64	0	10.14	.31
9317.0	35.68	32	19.7	8.9	2.62	0	9.95	.18
9318.0	.40	64	11.8	.0	2.61	0	9.77	.07
9319.0	.09	81	9.9	.0	2.63	0	9.66	.04
9320.0	.05	90	9.3	.0	2.63	0	9.57	.02
9321.0	.07	89	9.7	.0	2.63	0	9.47	.01
9322.0	.05	94	9.6	.0	2.63	0	9.37	.00
9323.0	.05	100	9.5	.0	2.64	0	9.28	.00

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR*FT	CUMULATIVE INTEGRATIONS HC*FT
9324.0	.04	100	9.3	.0	2.64	0	9.18	.00
9325.0	.06	98	9.9	.0	2.65	1	9.09	.00
9326.0	.01	100	7.5	.0	2.65	5	9.00	.00
9327.0	.00	100	6.5	.0	2.65	3	8.92	.00
9328.0	.00	100	5.5	.0	2.65	11	8.86	.00
9329.0	.00	100	6.5	.0	2.65	11	8.81	.00
9330.0	.02	100	8.1	.0	2.65	5	8.73	.00
9331.0	.03	100	8.6	.0	2.65	8	8.66	.00
9332.0	.01	100	7.5	.0	2.65	14	8.57	.00
9333.0	.02	100	8.4	.0	2.65	7	8.49	.00
9334.0	.01	100	7.5	.0	2.65	4	8.41	.00
9335.0	.00	100	3.3	.0	2.65	16	8.34	.00
9336.0	.00	100	2.7	.0	2.65	16	8.31	.00
9337.0	.00	100	4.7	.0	2.65	6	8.28	.00
9338.0	.00	100	3.0	.0	2.65	13	8.24	.00
9339.0	.00	100	4.1	.0	2.65	9	8.20	.00
9340.0	.00	100	3.8	.0	2.65	12	8.16	.00
9341.0	.00	100	1.9	.0	2.66	19	8.13	.00
9342.0	.00	100	1.8	.0	2.66	15	8.11	.00
9343.0	.00	100	2.5	.0	2.65	7	8.08	.00
9344.0	.00	100	3.2	.0	2.65	7	8.06	.00
9345.0	.00	100	1.4	.0	2.68	9	8.03	.00
9346.0	.00	100	1.7	.0	2.67	10	8.02	.00
9347.0	.00	100	3.2	.0	2.65	8	8.00	.00
9348.0	.00	100	3.8	.0	2.65	5	7.96	.00
9349.0	.00	100	4.4	.0	2.65	3	7.92	.00
9350.0	.00	100	4.0	.0	2.65	3	7.88	.00
9351.0	.00	100	2.7	.0	2.65	10	7.84	.00
9352.0	.00	100	2.5	.0	2.65	14	7.81	.00
9353.0	.00	100	4.7	.0	2.65	5	7.78	.00
9354.0	.00	100	4.8	.0	2.64	0	7.73	.00
9355.0	.00	100	6.0	.0	2.63	0	7.68	.00
9356.0	.00	100	6.3	.0	2.64	0	7.62	.00
9357.0	.00	100	5.9	.0	2.65	1	7.56	.00
9358.0	.00	100	5.2	.0	2.65	13	7.51	.00
9359.0	.00	100	5.6	.0	2.65	14	7.46	.00
9360.0	.01	100	6.7	.0	2.65	8	7.40	.00
9361.0	.00	100	3.2	.0	2.65	12	7.34	.00
9362.0	.00	100	3.6	.0	2.65	7	7.31	.00
9363.0	.00	100	2.3	.0	2.65	13	7.28	.00
9364.0	.00	100	2.4	.0	2.65	10	7.25	.00
9365.0	.00	100	1.3	.0	2.68	8	7.23	.00
9366.0	.00	100	2.6	.0	2.65	7	7.21	.00
9367.0	.00	100	2.3	.0	2.65	12	7.19	.00
9368.0	.00	100	2.0	.0	2.66	17	7.17	.00
9369.0	.00	100	3.6	.0	2.65	6	7.14	.00
9370.0	.00	100	4.9	.0	2.64	0	7.10	.00
9371.0	.00	100	5.3	.0	2.64	0	7.05	.00

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DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR*FT	CUMULATIVE INTEGRATIONS HC*FT
9372.0	.00	100	5.3	.0	2.65	0	7.00	.00
9373.0	.00	100	5.3	.0	2.64	0	6.95	.00
9374.0	.00	100	4.9	.0	2.65	0	6.90	.00
9375.0	.00	100	5.5	.0	2.64	0	6.85	.00
9376.0	.00	100	6.0	.0	2.65	2	6.79	.00
9377.0	.00	100	6.1	.0	2.65	6	6.73	.00
9378.0	.00	100	6.1	.0	2.65	3	6.67	.00
9379.0	.00	100	3.1	.0	2.65	12	6.62	.00
9380.0	.00	100	3.4	.0	2.65	8	6.59	.00
9381.0	.00	100	3.1	.0	2.65	5	6.56	.00
9382.0	.00	100	3.8	.5	2.65	1	6.52	.00
9383.0	.00	100	3.1	1.4	2.65	1	6.49	.00
9384.0	.00	100	1.6	.0	2.68	3	6.46	.00
9385.0	.00	100	1.9	.0	2.67	6	6.44	.00
9386.0	.00	100	2.5	.0	2.65	9	6.42	.00
9387.0	.00	100	3.1	.0	2.65	6	6.39	.00
9388.0	.00	100	4.6	.0	2.65	0	6.36	.00
9389.0	.00	100	5.8	.0	2.64	0	6.31	.00
9390.0	.00	100	5.1	.0	2.65	5	6.25	.00
9391.0	.00	100	6.2	.0	2.65	8	6.20	.00
9392.0	.01	100	6.8	.0	2.65	7	6.14	.00
9393.0	.00	100	5.3	.0	2.65	7	6.08	.00
9394.0	.00	100	6.0	.0	2.65	4	6.02	.00
9395.0	.00	100	3.7	.0	2.65	10	5.97	.00
9396.0	.00	100	2.4	.0	2.65	17	5.93	.00
9397.0	.00	100	2.7	.0	2.65	14	5.91	.00
9398.0	.00	100	4.4	.0	2.65	9	5.88	.00
9399.0	.00	100	6.4	.0	2.65	7	5.83	.00
9400.0	.02	100	7.9	.0	2.65	4	5.76	.00
9401.0	.01	100	7.1	.0	2.65	4	5.69	.00
9402.0	.00	100	5.4	.0	2.65	9	5.62	.00
9403.0	.00	100	4.7	.0	2.65	8	5.57	.00
9404.0	.00	100	4.9	.0	2.65	1	5.53	.00
9405.0	.00	100	2.7	.0	2.65	9	5.49	.00
9406.0	.00	100	3.6	.0	2.65	5	5.46	.00
9407.0	.00	100	4.7	.4	2.65	0	5.42	.00
9408.0	.00	100	2.9	.0	2.65	7	5.38	.00
9409.0	.00	100	2.4	.0	2.65	10	5.35	.00
9410.0	.00	100	2.2	.0	2.66	6	5.32	.00
9411.0	.00	100	2.6	.0	2.65	8	5.30	.00
9412.0	.00	100	2.0	.0	2.66	15	5.28	.00
9413.0	.00	100	4.6	.0	2.65	13	5.25	.00
9414.0	.00	100	4.3	.0	2.65	20	5.20	.00
9415.0	.01	100	6.7	.0	2.65	18	5.15	.00
9416.0	.00	100	6.5	.0	2.65	21	5.08	.00
9417.0	.01	100	7.7	.0	2.65	18	5.02	.00
9418.0	.01	100	7.7	.0	2.65	17	4.94	.00
9419.0	.01	100	7.3	.0	2.65	19	4.86	.00

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR*FT	CUMULATIVE INTEGRATIONS HC*FT
9420.0	.00	100	6.3	.0	2.65	12	4.79	.00
9421.0	.00	100	6.1	.0	2.65	0	4.73	.00
9422.0	.00	100	3.7	.0	2.65	5	4.67	.00
9423.0	.00	100	4.0	.0	2.65	3	4.64	.00
9424.0	.00	100	5.4	.0	2.65	0	4.60	.00
9425.0	.01	100	7.1	.0	2.65	0	4.54	.00
9426.0	.01	100	6.8	.0	2.65	5	4.47	.00
9427.0	.01	100	7.5	.4	2.65	2	4.40	.00
9428.0	.00	100	5.8	.0	2.65	4	4.32	.00
9429.0	.00	100	6.2	.0	2.65	0	4.27	.00
9430.0	.00	100	5.2	.0	2.64	0	4.21	.00
9431.0	.00	100	4.8	.1	2.64	0	4.16	.00
9432.0	.00	100	3.7	.0	2.65	5	4.11	.00
9433.0	.00	100	1.7	.0	2.67	7	4.08	.00
9434.0	.00	100	2.1	.0	2.66	7	4.06	.00
9435.0	.00	100	1.9	.0	2.67	7	4.04	.00
9436.0	.00	100	2.6	.0	2.65	7	4.02	.00
9437.0	.00	100	2.6	.0	2.65	7	3.99	.00
9438.0	.00	100	2.5	.0	2.65	7	3.96	.00
9439.0	.00	100	4.3	.6	2.65	1	3.93	.00
9440.0	.00	100	3.1	.0	2.65	7	3.89	.00
9441.0	.00	100	3.0	.0	2.65	9	3.86	.00
9442.0	.00	100	2.3	.0	2.66	6	3.84	.00
9443.0	.00	100	4.0	.0	2.65	6	3.81	.00
9444.0	.00	100	4.0	.0	2.65	2	3.77	.00
9445.0	.00	100	4.2	.0	2.65	2	3.73	.00
9446.0	.00	100	3.0	.0	2.65	7	3.69	.00
9447.0	.00	100	2.4	.0	2.65	11	3.66	.00
9448.0	.00	100	3.6	.0	2.65	5	3.64	.00
9449.0	.00	100	2.3	.0	2.66	7	3.60	.00
9450.0	.00	100	2.2	.0	2.66	7	3.58	.00
9451.0	.00	100	2.7	.0	2.65	7	3.56	.00
9452.0	.00	100	2.5	.0	2.65	7	3.53	.00
9453.0	.00	100	2.3	.0	2.66	7	3.51	.00
9454.0	.00	100	1.5	.0	2.67	7	3.49	.00
9455.0	.00	100	1.9	.0	2.67	6	3.47	.00
9456.0	.00	100	2.4	.0	2.66	5	3.45	.00
9457.0	.00	100	2.6	.6	2.65	5	3.43	.00
9458.0	.00	100	3.3	1.4	2.65	3	3.40	.00
9459.0	.00	100	2.6	.0	2.65	5	3.37	.00
9460.0	.00	100	3.0	.6	2.65	4	3.34	.00
9461.0	.00	100	1.6	.0	2.67	6	3.32	.00
9462.0	.00	100	1.6	.0	2.67	11	3.30	.00
9463.0	.00	100	1.0	.0	2.68	34	3.28	.00
9464.0	.00	99	.2	.0	2.70	50	3.27	.00
9465.0	.00	100	.3	.0	2.70	35	3.27	.00
9466.0	.00	100	1.4	.0	2.68	10	3.27	.00
9467.0	.00	100	1.5	.1	2.67	4	3.25	.00

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DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
9468.0	.00	100	1.8	.5	2.67	4	3.23	.00
9469.0	.00	100	1.9	.0	2.66	7	3.22	.00
9470.0	.00	100	1.4	.0	2.68	9	3.20	.00
9471.0	.00	100	1.7	.0	2.67	7	3.18	.00
9472.0	.00	100	1.2	.0	2.68	8	3.17	.00
9473.0	.00	100	1.7	.1	2.67	10	3.16	.00
9474.0	.00	100	1.8	.4	2.67	9	3.14	.00
9475.0	.00	100	1.3	.0	2.68	9	3.12	.00
9476.0	.00	100	2.3	1.8	2.66	9	3.11	.00
9477.0	.00	100	1.8	1.5	2.67	7	3.08	.00
9478.0	.00	100	.6	.0	2.70	8	3.07	.00
9479.0	.00	100	.0	.0	2.72	9	3.06	.00
9480.0	.00	100	.9	.0	2.69	12	3.06	.00
9481.0	.00	100	.8	.0	2.69	6	3.05	.00
9482.0	.00	100	1.6	.0	2.67	7	3.04	.00
9483.0	.00	100	.7	.0	2.69	12	3.03	.00
9484.0	.00	100	.0	.0	2.77	32	3.02	.00
9485.0	.00	100	.0	.0	2.74	33	3.02	.00
9486.0	.00	100	.1	.0	2.71	19	3.02	.00
9487.0	.00	100	.8	.0	2.69	13	3.02	.00
9488.0	.00	100	1.4	.0	2.68	8	3.01	.00
9489.0	.00	100	2.1	.3	2.66	7	3.00	.00
9490.0	.00	100	1.7	.0	2.67	6	2.98	.00
9491.0	.00	100	1.3	.0	2.68	5	2.96	.00
9492.0	.00	100	1.5	.0	2.68	4	2.95	.00
9493.0	.00	100	1.5	.0	2.68	4	2.93	.00
9494.0	.00	100	1.5	.0	2.68	5	2.91	.00
9495.0	.00	100	1.4	.0	2.68	4	2.90	.00
9496.0	.00	100	1.3	.0	2.68	3	2.89	.00
9497.0	.00	100	1.8	.0	2.67	5	2.87	.00
9498.0	.00	100	1.4	.0	2.68	8	2.85	.00
9499.0	.00	100	3.3	.0	2.65	6	2.84	.00
9500.0	.00	100	2.0	.0	2.65	26	2.81	.00
9501.0	.00	100	6.2	.0	2.65	16	2.78	.00
9502.0	.00	100	5.0	.0	2.61	22	2.71	.00
9503.0	.00	100	6.4	.0	2.65	11	2.66	.00
9504.0	.02	100	8.3	.0	2.65	0	2.59	.00
9505.0	.00	100	6.1	.0	2.65	8	2.52	.00
9506.0	.02	100	8.5	.8	2.65	1	2.44	.00
9507.0	.01	100	7.6	.0	2.64	0	2.36	.00
9508.0	.00	100	5.7	.0	2.65	1	2.29	.00
9509.0	.00	100	5.3	.0	2.65	5	2.23	.00
9510.0	.00	100	6.3	1.0	2.63	0	2.17	.00
9511.0	.00	100	4.6	.0	2.65	3	2.11	.00
9512.0	.00	100	5.4	.1	2.65	1	2.06	.00
9513.0	.00	100	6.1	.1	2.64	0	2.01	.00
9514.0	.00	100	6.2	.5	2.63	0	1.95	.00
9515.0	.00	100	3.5	.0	2.65	7	1.89	.00

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DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
9516.0	.00	100	2.7	.0	2.65	10	1.86	.00
9517.0	.00	100	4.1	.0	2.65	4	1.83	.00
9518.0	.00	100	3.1	.0	2.65	7	1.79	.00
9519.0	.00	100	4.8	1.3	2.65	0	1.76	.00
9520.0	.00	100	4.1	.5	2.65	2	1.71	.00
9521.0	.00	100	2.6	.0	2.65	7	1.67	.00
9522.0	.00	100	3.0	.0	2.65	6	1.64	.00
9523.0	.00	100	2.4	.0	2.65	8	1.62	.00
9524.0	.00	100	2.3	.0	2.66	8	1.59	.00
9525.0	.00	100	2.3	.0	2.66	9	1.57	.00
9526.0	.00	100	4.6	.3	2.65	1	1.54	.00
9527.0	.00	100	5.2	.8	2.65	0	1.49	.00
9528.0	.00	100	4.2	.0	2.65	3	1.44	.00
9529.0	.00	100	2.0	.0	2.66	9	1.41	.00
9530.0	.00	100	3.8	.0	2.65	5	1.38	.00
9531.0	.00	100	4.8	.3	2.65	1	1.34	.00
9532.0	.00	100	5.5	.8	2.64	0	1.29	.00
9533.0	.00	100	4.7	.2	2.65	2	1.24	.00
9534.0	.00	100	4.2	.0	2.65	5	1.19	.00
9535.0	.00	100	4.9	.0	2.65	0	1.14	.00
9536.0	.00	100	3.7	.0	2.65	4	1.10	.00
9537.0	.00	100	4.4	1.3	2.64	0	1.06	.00
9538.0	.00	100	3.6	1.7	2.65	0	1.02	.00
9539.0	.00	100	3.7	2.1	2.64	0	.99	.00
9540.0	.00	100	3.1	1.4	2.65	2	.96	.00
9541.0	.00	100	3.9	2.3	2.65	0	.93	.00
9542.0	.00	100	3.1	1.0	2.65	4	.89	.00
9543.0	.00	100	3.9	2.2	2.65	2	.85	.00
9544.0	.00	100	2.3	.0	2.66	6	.82	.00
9545.0	.00	100	2.4	.0	2.65	7	.79	.00
9546.0	.00	100	2.6	.0	2.65	8	.77	.00
9547.0	.00	100	2.5	.0	2.65	8	.74	.00
9548.0	.00	100	3.7	.9	2.65	4	.71	.00
9549.0	.00	100	2.3	.0	2.66	5	.68	.00
9550.0	.00	100	2.7	.2	2.65	4	.66	.00
9551.0	.00	100	2.5	.0	2.65	3	.63	.00
9552.0	.00	100	2.3	.0	2.66	4	.61	.00
9553.0	.00	100	1.6	.0	2.67	5	.59	.00
9554.0	.00	100	2.8	.5	2.65	5	.57	.00
9555.0	.00	100	3.3	.9	2.65	3	.54	.00
9556.0	.00	100	3.4	1.2	2.65	2	.50	.00
9557.0	.00	100	2.3	.0	2.66	5	.47	.00
9558.0	.00	100	2.1	.0	2.66	7	.44	.00
9559.0	.00	100	2.1	.0	2.66	7	.43	.00
9560.0	.00	100	4.5	.0	2.65	3	.40	.00
9561.0	.00	100	3.9	.0	2.65	6	.36	.00
9562.0	.00	100	3.3	.0	2.65	6	.32	.00
9563.0	.00	100	1.9	.0	2.67	4	.28	.00

Schlumberger

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: U-9211

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: SE Flank Uinta

9. WELL NO.: 1-5

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5-T15S-R23E SLM

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

1. OIL WELL ☐ GAS WELL ☐ OTHER Wildcat

2. NAME OF OPERATOR: CHORNEY OIL COMPANY

3. ADDRESS OF OPERATOR: P. O. Box 144, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NE NE, Sec. 5, T15S, R23E, SLM (605' FNL & 810' FEL) Uintah County, Utah

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 7426' Grd. 7437' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐
REPAIR WELL	☐	CHANGE PLANS	☐
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOTING OR ACIDIZING	☐	ABANDONMENT*	X
(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above well was drilled to a total depth of 9603' penetrating the Glenn Canyon formation. Seven DST's were taken; 3 in Dakota formation, 1 in Entrada, 1 in Glenn Canyon, 1 in Castlegate and 1 misrun in Entrada.
Electric logs were run. No commercial shows were encountered.
Verbal approval was received from Mr. Paul Buschell, UO&GC and Mr. Gerald Daniels, U.S.G.S., to P & A.
Plugs were set as follows:
45 sx 9450-9300'
45 sx 8550-8700'
30 sx 4650-4750'
30 sx 2100-2200'
30 sx 490-580' across casing shoe.
10 sx at surface with marker.

Surface is now restored and ready for inspection.

PLEASE HOLD REPORT CONFIDENTIAL

18. I hereby certify that the foregoing is true and correct

Original Signed By
SIGNED Sam T. Boltz, Jr. TITLE Operations Manager DATE August 1, 1972
Sam T. Boltz, Jr.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

cc: UO&GC
Pacific Gas Transmission
Mono Power Co.
Union Oil Co.

*See Instructions on Reverse Side