Beaverton Area - Oregon

Cooper Mountain #1

The Texas Company

25

1-3 2-W Will,

1945	WORK DONE BY TEXAS COMPANY LABOR AND EQUIPMENT	
10/27	Spudded in at 5:00 P.H. w/ a 24" Smit	h bit.
0° 40° 50° 100°	50' " E	lay. ravel. dasalt. dasalt and Clay. day and Gravel.
10/28	Started reaming 24" hole from bottom oproximately 50" when sub broke off in drill collar, bit, stabilizer, and 2 stabilizer, and 2 stabilizer.	top of drill collar. Left 7
10/29	Reamed to bottom (115') w/ 24" bit. P 54# new casing w/ Baker Float Shoe, an 100 sax Pac. Portland Const. Cement. (Top wooden plug bumped. Final Pressur installed Blowout Preventer.	Halliburton Cmt. Equipment).
10/30	Ran in w/ 17" Hughes Hole Opener and drilled out cement plug.	
118'	128' Drilled . B	asalt
	Changed to a 124" Hughes Tricone bit.	
1281 1411 1661 1681 2441 3101 3351	166 "	asalt and Clay. asalt and Clay. asalt w/ Streaks of Clay. asalt. rown Clay. asalt and Clay.
	Lost circulation at 343°, lost approx. 80 bbls, of mud. Mixed and pumped in hole approx. 100 bbls, of thick mud and regained circulation. Total mud lost 180 bbls.	
3431		asalt v/ Clay Streaks. asalt.

Lost circulation at midnight, mixed heavy mud, added Fibertex, pumped

in hole very slowly. No returns, Lost approx, 100/ mud.

11/2

The Texas Company Beaverton Area - Oregon Cooper Mountain #1 25 1-3 2-11 W111. Drilled while pumping mud in hole, made 3'. 3781 Drilled Basalt. Plugged hole with 150 sax Pac. Portland "Beaver" Const. Cement pumped in through open-end D.P. hung at 374'. Installed B.O.P. Equipment. Ran in w/ 122" Hughes Rock bit. Found top of cement at 300'. D.O. cement 300'-378'. 4051 Drilled Basalt. 4121 Clay. 4401 Shale, 5401 Basalt 5581 Brown Clay. 5701 Basalt and Clay. Lost circulation at 570' at 2:30 P.M. Mud loss, 33 bbls. Added sawdust and 5 bales Fibertex. Regained circulation at 7 P.M. Lost approx. 50 bbls. mud. Total mud lost 83 bbls. 6681 Drilled Basalt. Lost circulation at 663', mixed mud and sawdust, regained circulation O.K. Lost approximately 46 bbls. mud. 7621 Drilled Basalt. Reamed from 708' to 762'. 7731 Drilled Basalt. Reamed from 700' to 773'.

Basalt.

Basalt.

375"

11/3

11/4

3781

4121

4401

5401

5581

11/6

5700

11/8

6681

11/11

7621

773'

7911

7911

853"

Drilled

Drilled

Reamed from 770' to 791'.

Reamed from 800' to 853'.

Oop

Beaverton Area - Oregon

25

1-8

2-W W111.

853' 886'

Drilled

Basalt.

- 11/14/45 Lost circ. at 10:30, regained at 12 A.M. Lost approximately 115 bbls. mud. Lost circulation at 2 P.M., lost approximately 70 bbls. mud. Total 135 bbls. Pumped in 150 max Pac. Port. Beaver Const. Gement through D.F. hung at 534.
- Ran in w/ 17% H. C. Smith Hole Opener. Started reaming at 20" shoe 117'. Reamed 12% hole to 17% from 117' to 265'. Changed to 12% Hughes bit, hit reamer guide at 265'. Chased piece of "Guide" down in 12% hole to 35%. Changed to 17% Security Hole Opener. Reamed 12% hole out to 17% from 265' to 35%. Made three runs with "grab" for fish. No success, Ran in w/ Hughes bit and circ. and cond.mdd. P.O.
- ll/19 Ran in w/ grab and recovered fish at 673', Ran in w/ 122" Hughes bit. Found top of cement at 673'. D.O. to bottom 536', cement firm all way down.
 - 886' 981'

Drilled

Basalt.

- 11/21 Changed to a 9-5/8" Ellaott Wire Line Core Barrel.
- 981' 986'

Core #1

Changed to a 124" Hughes bit and reamed 9-5/8" hole to 124" from 981' to 986'.

986' 1072'

Drilled

Basalt.

- 11/23 Ran 9-5/8" Elliott W. L. drag head and cored ahead.
- 1072' 1129' Cores #2 to #6
- 11/23 Han 17% Security Hole Opener and Security 3-pt. Reamer and reamed down 8% rathole from 353'-599'. Twisted off while reaming leaving 4 D.C., subs, and reamers in the hole. Ran Bowen Overshot and recovered fish. Resumed reaming operations with 17% Security Hole Opener and Reamer. Reamed to 663'.
- 11/27 Lost circulation while cleaning out hole with 12; Hughes Tricone Bit. Stuck pipe at 810' while pulling out of the hole. Mixed fresh mud, sawdust, and bentonite and pumped down in pills. Worked drill pipe. Could not regain circulation.

00

Beaverton Area - Oregon

25 1-S 2-W Will.

- 11/30 Shot drill pipe at tool joint with Ford Alexander "String Shot" at approx. 671'. Left 1 single, drill collars, subs, and 124" bit in the hole. Ran in to 660' with 176" bit and circulated at top of fish.
- Made up and ran in with 9-5/8" O.D. Wash-Over pipe. Washed over fish to 513' and lost circulation. Regained circulation by adding aswdust and bentonite to mud. Pulled out and ran in Bowen Overshot with Baash Ross Safety Joint and McCullough Jars. Took hold of fish and worked pipe until fish came loose. Laid down fish and ran in with 175" Security Hole Opener and 17" 3-pt. reamer. Reamed rat hole

worked pipe until fish came loose. Laid down fish and ran in with 17% Security Hole Opener and 17 3-pt. reamer. Reamed rat hole from 663' to 745'. Twisted off drill collars while reaming, leaving l drill collar, subs, reamer, and hole opener in hole. Recovered fish with Bowen Overshot on 4% drill pipe.

- Resumed reaming operations using 17% Reed Hole Opener and 17 Security 3-pt. Reamer. Lost circulation while reaming at 870'. Mixed ground bark, Flo-seal, sawdust, and bentonite into mud to regain circulation. Lost circulation again while reaming at 942'. Added sawdust and bentonite to mud and regained circulation. Continued reaming. Reamed out to bottom at 1129'.
- Ran 28 joints, 1132.92' overall, of 13-3/8", 54.5#, J-55, Youngstown, T&C & rd. thd. Seamless casing and cemented at 1125' K.B. with 800 sacks Golden Gate Construction Cement using Halliburton Power Equip. Started cementing at 8:37 P.M. Displaced cement with 942 cu, ft. mud leavin an estimated 50' bridge in casing. Used one top wooden plug only. M.T. 55 minutes, P.T. 5 minutes, D.T. 48 minutes, T.T. 1 hour 48 minutes. Lost circulation after displacing an estimated 250 sax cement out of the shoe. Did not regain same. Estimated slurry density 118#/c.f.
- 12/18 Filled to surface between 13-3/8" casing and 20" conductor pipe using a total of 450 sax of Golden Gate Construction Cement pumped in through 2" E.U. tubing with a 1" tubing stinger hung along the outside of the 13-3/8" casing. Landed casing and installed Blowout Prevention Equipment. Tested same to 1000% pressure. Held O.K. for 30 minutes.
- 12/19 Located top of the hard cement at 965°. Drilled out cement to 1129'.
 Drilled ahead in 12; hole to 1133'. Changed drilling mud and pulled out of hole to core.
- 1129' 1133' Drilled Shale.

Beaverton Area - Oregon

25 1-8 2-W Will.

- 12/20/45 Ran in with 9-5/8" Elliott Wire Line Core Barrel on 44" Hydril drill pipe and cored from 1133'-1145'. Lost circulation while coring at 1139'. Mixed mud and sawdust to regain partial circulation.
- Cored from 1145'-1151' without circulation using a 9-5/8" bit.

 Pulled out with the Elliott core barrel. Ran in with a 9-7/8" rock bit to check fluid level on the drill pipe. Fluid standing at 475' from the surface. Mixed more bentonite and sawdust. Reamed out 9-5/8" core hole from 1133'-1151' without circulation. Drilled ahead to 1168'.
- Pulled out of hole to cement. Ran back in with 4½" open-end drill pipe to 1165' K.B. and plugged hole with 50 sax Golden Gate Const. Cement using Hallibærton Cementing Equipment. Displaced cement with 53 cu. ft. water to equalize at an estimated 1087'. MtT. 4 min., D.T. 3 min., T.T. 7 min. Approx. slurry density 120#/C.F. Located top of cement plug at 1141'. Recemented with 50 sax Golden Gate Construction Cement pumped in through open-end drill pipe hung at 1135'. Displaced cement with 53 cu. ft. water. M.T. 4 minutes, D.T. 2 minutes, T.T. 6 minutes. Added approx. 5% bentonite to cement while mixing.
- Found top of set cement at 1115'. Drilled out cement to 1165' with normal circulation. Not losing any mud. Drilling ahead in a 9-7/8" hole.
- 1168' 1279' Drilled Conglomerate.
 1279' 1361' " Conglomerate w/ Silty Stks.
- 12/24 Ran in w/ 8% Elliott Wire Line Core Barrel and changed mud. Lost circulation while changing mud. Pulled cut of hole.
- Plugged hole with 50 sax Sun Construction Cement mixed with approx.

 10% Wyoming Bentonite and pumped in through open-end drill pipe hanging at 1165' K.B. Displaced cement with 63 cu. ft. of water. Fluid level in hole standing at 300'. Did not have circulation while cementing. Halliburton Cementing Equipment. M.T. 4 minutes, D.T. 4 minutes, T.T. 5 minutes.

Located top of firm cement at 1150'. Pulled up to 1139' and recemented with 50 sax Sun Construction Cement mixed with approx.

10% Bentonite. Displaced cement w/ 63 cu. ft. water. M.T. 4 min. D.T. 3 min., T.T. 7 min.

af

7

The Texas Company

Beaverton Area - Oregon

Cooper Mountain #1

25

1-5

5-A M111°

12/25/45 Located top of cement plug at 1132'. Recemented with 25 sax Sun (contd) Construction Cement pumped in through open-end drill pipe hung at 1130'. Displaced with water to equalize.

12/26 Located top of cement at 1130'. Drilled out cement to 1166'. Lost approx. 22 bbl. mud while circulating at 1184' to condition mud. Added sawdust to mud to regain full circulation. Cleaned out hole to bottom (1361'). Ran back in with 9-5/8" core barrel and cored ahead.

1361' 1376' Core #9

Resumed drilling with 9-7/8" rock bit.

1376' 1430' Drilled Hard Shale and Sandy Shale.

12/27 Cored with 9-5/8" Elliott Wire Line Core Barrel.

1430' 1450' Core #10

Ran in with 9-7/8" rock bit and resumed drilling after reaming down rathole. Changed rotary mud while drilling at 1527'.

1450' 1552' Drilled Silty Shale. 1552' 1594' " Sandy Shale.

12/28 Lost approx. 24 bbls. rotary mud since changing mud. Added sawdust to mud to regain full circulation. Ran in with 9-5/5" Elliott Core Barrel.

1594' 1614' Core #11

Reamed down rathole and resumed drilling with 9-7/3" rock bit.

1614' 1791' Drilled Sand and Silt.
1791' 1980' " Sand and Shale.

12/29 Ran in w/ 9-5/8" Elliott Wire Line Core Barrel.

1980' 2000' Core #12

Reamed down rathole and resumed drilling 9-7/5" hole.

8.

The Texas Company Beaverton Area - Oregon Cooper Mountain #1 25 1-8 5-M W111. 50000 2130 Drilled Sandy Shale. 21301 21921 Sand and Shale. 15/50 Ran in with 8% Elliott Wire Line Core Barrel. 5192: 22041 Core #13 22041 22091 Core #14 Reamed down rathole and resumed drilling 9-7/8" hole. 5500; 24351 Drilled Shale and Silt. Ran in with 5% Elliott Wire Line Core Barrel. 15/31 24351 24471 Core #15 24571 24571 Core #17 24771 Core #18 24771 24881 Core #19 24881 2498 Core #20 24981 2508 Core #21 Ran Schlumberger Electrical Logging Instrument. Reamed down rathcle and resumed drilling 9-7/8" hole. 25081 26191 Drilled Sand. 26191 27079 Sand and Shale. 27441 27071 Sand. 1/1/46 Ran Schlumberger electrical logging instrument. Ran in hole with 85" Elliott Wire Line Core Barrel. 27441 2754 8 Core #22 27541 2764 Gore #23 27751 Core #24 1/2/46 Ran Schlumberger electrical logging instrument. Ran in St Elliott Wire Line Core Barrel.

Core #25

Core #26

Core #27

27751

27841

27961

27841

27961

28081

of

9.

The Texas Company

Beaverton Area - Oregon

Cooper Mountain #1

25

1-8

2-W W111.

2808' 2821' Core #28 2821' 2833' Core #29 2633' 2845' Core #30

Reamed down 8% rathole from 2744' to 2790' with 9-7/8" bit. Cleaned out rathole from 2790'-2845' preparatory to making test, Ran Halli-burton Open-Hole Formation Tester with 8" O.D. Straight Sidewall Packer on 4% Hydril drill pipe. McCullough Jars. % bean in tool. No cushion. 45' of 4% tail pipe below packer, including 24' of approx. 100 Mesh torch out perforations and 24' of blank on bottom. Set tail pipe on bottom at 2545'. Packer at 2793'. Opened valve at 5:55 P.M. One very faint puff blow at surface - dead thereafter. Closed valve and reopened. No perceptible blow at surface for duration of test. Valve open 20 minutes. Fulled packer loose at 9:15 P.M. Recovered 35' of normal drilling fluid above valve. No free water. Clocks in pressure stopped when valve opened.

Ran back in hole with 55 bit to clean out rathole preparatory to retesting. Lost circulation while conditioning mud on bottom. Pulled out of hole and ran back in with open-end drill pipe. Plugged hole with 175 sax Sun Construction Cement followed with 50 sax Cal-Seal "60 minute" Quick Setting Cement pumped in through open-end drill pipe hung at 1108'. Packed off drill pipe with Regan B.O.P. Formation broke down and took fluid at 200" pressure. Displaced cement with total of 95 cu. ft. of water to clear drill pipe. Cementing pressure 200%. Displacement pressure 200-400% F.P. Started mixing cement at 10:02 P.M. Mixel 175 sax construction cement in 13 minutes and 50 sax Cal-Seal in 6 minutes. Displaced in 6 minutes, TlT. 27 minutes.

Located top of set cement at 1140'. Drilled out cement from 1140'1200'. Cleaned out hole to 1311' and changed mud in upper portion
of hole. Reamed out 52" rathole with 9-7/8" and resumed drilling.

2845' 3139'

Drilled

Streaks of Sand and Shale.

1/6 Ran in with 82 Elliott Wire Line Core Barrel.

3139' 3150' Core #31 3150' 3158' Core #32 3158' 3170' Core #33 3170' 3180' Core #34

1/7/46 Reamed out 82 rathole and resumed drilling 9-7/8" hole.

and

Beaverton Area - Oregon

Cooper Mountain #1

25

1-8

Will. 5-M

3310° 3180

Drilled

Sand and Shale.

1/8/46 Ran in w/ 5% Elliott Wire Line Core Barrel.

3321" 33101 3321"

Core #35

88

33331 Core #36

Cleaned out bridges in hole and reamed out rathole. Resumed drilling.

3333 33400 Drilled 34031 3403 34831 35001 34831

Hard Sand, Hard Shale. Shale and Ash Hard Shale.

1/10 Ran in with 5% Elliott Wire Line Core Barrel.

35121 35001 Core #37 35121 35241 Core #38 3524.1 35341 Core #39

Ran Schlumberger electrical logging instrument. Ran Halliburton 1/11 Open-Hole Formation Tester with 8" O.D. straight sidewall packer on 42" Hydril drill pipe. McGullough Jars above. No cushion used. 2" bean in tools. 27' of tail pipe below packer, including 16' of approx. 100 Mesh torch-out perforations and two inside pressure recorders. Set tester on bottom (3534'). Packer at 3505'. Valve opened at 4:26 P.M. There was a light steady blow immediately at surface that lasted for duration of test. Closed valve at 4:56 P.M. Tester open total 30 minutes. Recovered 312' of fluid in the drill pipe of which the top 20' was rotary mud and the bottom 292' was muddy salt water testing 3350 G/G. Pressure recorders indicated the tester was open for the duration of the test.

Cleaned out bridges in hole with 9-7/8" bit and reamed down rathole 1/12 to bottom. Resumed drilling.

36251 35341

Drilled

Sand .

Ran in hole with 85 Elliott Wire Line Core Barrel.

Core #40 3625 36371 36491 Core #41 36371 36490 36571 Drilled.

Beaverton Area - Oregon

25

1-8

2-W

W111.

```
3657' 3668' Core #42
3668' 3680' Core #43
```

1/14/46 Changed entire system from clay base rotary mud to weighted, perservative Hydrolized Starch mud due to the inability to control the mud's physical properties resulting from salt water contamination.

1/15 Cleaned out hole and reamed down 8% rathole with 9-7/8° bit.

3680' 3772' Drilled Silty Shale. 3772' 3790' Silt.

1/17 Ran in with She Elliott Wire Line Core Barrel.

3790' 3794' Core #44

1/18 Reamed down rathole and resumed drilling 9-7/8" hole.

37941 3819° Drilled Silt. 38191 Tough Shale. 38941 42051 # Hard Shale. 4247 42051 27 Hard Shale and Volcanic Ash. 42151 23 Hard Shale.

1/22 Ran in with 8%" Elliott Wire Line Core Barrel,

 4247'
 4258'
 Core #45

 4258'
 4268'
 Core #46

 4268'
 4278'
 Core #47

 4278'
 4290'
 Core #48

1/23 Reamed down 62 rathole and resumed drilling with 9-7/8" bit.

4290' 4404° Drilled Hard Shale.

1/24 Ran in with 55 Elliott Wire Line Core Barrel.

4404: 4411: Core #49
4411: 4414: Core #50

Reamed down rathole and drilled ahead with 9-7/8" bit.

OH

Beaverton Area - Oregon

Cooper Mountain #1

2/4

2/6

49481

50871

50991

5111'

50871

5099 1

5111'

51231

25 .

1-3

Hard Shale.

2-W W111.

44141 44901 Drilled Hard Shale. 1/25/46 Ran in with 5%" Elliott Wire Line Core Barrel. 44901 4501 8 Core #51 4511" 4501 Core #52 1/26 Reamed down rathole and resumed drilling with 9-7/8" bit. 45111 4720 Drilled Hard Shale. 1/28 Ran Schlumberger electrical logging instrument. Ran in hole with 8% Elliott Wire Line Core Barrel. 47321 4732 Core #53 Core #54 47401 47441 Core #55 1/29 Reamed down rathole and resumed drilling with 9-7/8" bit. 47441 4906 Drilled Hard Shale. 1/30 Ran in with 5% Elliott Wire Line Core Barrel. 49061 49181 Core #56 49181 4930 Core #57 4938 49301 Core #58 Core #59 49381 मुक्षित्र । 2/1/46 Rotary mud started to ferment. Went completely bad in 4 hours. Restored mud by chemical treatment and replacing 50% of the system

with new mud. Conditioned mud system to bottom.

Ran in with 52" Elliott Wire Line Core Barrel,

Drilled

Core #60

Core #61

Core #62

Reamed down rathole and drilled ahead with 9-7/8" bit.

any

Beaverton Area - Oregon

25

1-8

2-W W111.

Reamed down 86" core hole and resumed drilling with 9-7/8" bit.

5123' 5266' Drilled Hard Shale. 5266' 5271' " Ash.

2/10 Ran in with Son Elliott Wire Line Core Barrel.

5271' 5283' Gore #63 5283' 5293' Gore #64 5293' 5310' Gore #65

Reamed down rathole and drilled ahead with 9-7/8" bit.

5310' 5587' Drilled Nard Shale.

2/15 Ran in with St Elliott Wire Line Core Barrel.

5587' 5599' Core #66 5599' 5611' Core #67

Reamed down 8%" core hole and drilled ahead with 9-7/5" bit.

5611' 5754' Drilled Hard Shale.

2/17 Ran in with 8% Elliott Wire Line Core Barrel. Cleaned out bridges in the hole with center bit and cored ahead.

5754' 5766' Core #68 5766' 5778' Core #69 5778' 5787' Core #70 5787' 5797' Core #71

2/18

Ran in with 9-7/8" bit and reamed down rathole to bottom. Ran Schlumberger elecgrical logging instrument and sidewall sampler. Ran back in hole with 8% Elliott Wire Line Core Barrel.

5797 5509' Core #72 5509' 5519' Core #73 5519' 5529' Core #74

2/19 Ran Schlumberger Sidewall Sampling Gun. Ran in with 9-7/5" bit and reamed down rathols to bottom. Drilled ahead.

ax

Beaverton Area - Oregon

25 1-

2-W W111.

5829' 6159'

Drilled

Hard Shale.

2/25/46 Ran Halliburton Hole Caliper. Measured in the hole with the drill pipe. Found 5' error in measurements. Corrected depth - 6164'. Drilled ahead with 9-7/8" bit.

61641 62231

Drilled

Hard Shale,

2/26 Ran Schlumberger Electrical logging instrument, Ran back in with 9-7/5" bit and drilled ahead.

62231 62551

Drilled

Hard Shale.

2/27 Ran Schlumberger electrical logging instrument and sidewall sampler.
Drilled ahead with 9-7/8" rock bit.

6255° 7167°

Drilled

Hard Shale.

3/14/46 Lost circulation while conditioning mud preparatory to running electrical log. Pulled out of hole and ran Schlumberger electrical logging instrument. Ran in hole with open-end drill pipe to 1098' and pumped in 100 barrels of mud with no returns. Conditioned 150 bbls. mud by adding aswdust and strip cellophane and pumped down the hole.

Regained circulation. Packed off around drill pipe at surface by closing the Regan B.O.P. and squeezed away 300 sax Golden Gate Construction Gement. Formation broke down and took fluid at 200% (surface pressure). Treated cement with approx. 1% Bentonite. Started mixing at 1:19 A.M. Displaced cement with 95 cu. ft. of mud leaving approx. 35' of cement in the 13-3/8" casing. Pressure built up 100% while displacing. Opened bleeder and bled back approximately 2 cu. ft. of mud. M.T. 25 min., D.T. 16 min., T.T. 41 min. Finished cementing at 2:00 A.M. Located top of set cement at 1051'. Drilled out cement from 1051'-1157'. Conditioned mud and tested cement job by closing Regan B.O.P. at surface and applying 160% pressure at the surface. Gement held pressure for 10 min. without a loss. Conditioned mud to bottom. Mud showed some evidence of fermentation from depth of 6500'. Dumped approx. 64 bbl. and mixed new mud. Conditioned system to 55% weight and drilled ahead with 9-7/8" bit.



Beaverton Area - Oregon

Cooper Mountain #1

25 1-3

2-W W111.

7167' 7258' Drilled Hard Shale.

3/18 Ran in with 5% Elliott Wire Line Core Barrel.

7258' 7270' Core #76 7270' 7282' Core #77

3/19 Reamed down rathole and drilled ahead with 9-7/8" bit.

7252' 7291' Drilled Hard Shale, 7291' 7299' " Sand. 7299' 7804' " Hard Shale,

3/26 Ran in with Sh" Elliott Wire Line Core Barrel.

7804' 7816' Core #78 7816' 7820' Core #79

3/27 han Schlumberger electrical logging instrument. Reamed down rathole and drilled shead with 9-7/8" bit.

7820' 7863' Drilled Hard Shale.

Conditioned mud and ran Schlumberger electrical logging instrument.

Ban 186 joints, 7888.54 overall, of 7° 0.D. 23# & 26# N-80 casing, including 591.87 (14 jts.) of 26# casing on bottom and 43.12 (1 joint) on top. Comented casing on bottom at 7862 K.B. with 800 sax of Oregon Bradd Portland Construction Coment using Halliburton Power Equipment. Used Baker Float Shoe on bottom and Baker Coment Float Collar one joint up from bottom. Used two top wooden plugs, no bottom plug. Started running casing at 6:00 P.M. (3/28/46) and finished running casing at 11:30 A.M. (3/29/46). Installed comenting head and broke circulation at 11:40 A.M. Circulated 45 minutes. Started cementing at 12:25 P.M. Displaced cement with 1731 cu. ft. of mud with the rigs power pump. Plugs bumped. F.P. 1450#. Bled off pressure at the surface but the floats would not hold. Built pressure back up to 1000# and closed in at the surface. M.T. 49 minutes, P.T. 2 minutes, D.T. 35 minutes, T.T. 1 hour, 25 minutes. Average slurry density 116#/c.f. Finished cementing at 1:50 P.M.

3/30 Landed the 7° casing and packed off between strings. Laid down 4½° Hydril drill pipe and made up string of 3½° Hydril 13.3%.

od

Beaverton Area - Oregon

25

1-3

5-M

W111.

4/3/46 Installed Regan Blowout Preventer and Kerotest Master Gate and tested same to 1500# for 15 minutes without loss. Ran in with 6-1/8" bit and conditioned mud in easing. Located top of cementing plugs at 7812'. Closed Regan B.O.P. and tested same with 700% pressure for 10 minutes. Held O.K.

4/4/46 Drilled out cement from 7812'-7863' and drilled ahead.

78631 78651

Drilled

Hard Shale.

Changed cement and salt water contaminated mud in hole with hole mud in storage tanks. Conditioned mud to 90# weight and drilled ahead with 6-1/3" bit.

7865 7950

Drilled

Hard Shale.

4/6/46 Ran in with 6-1/8" Reed Conventional Core Barrel.

79501

79671

Core #78

Ran in with 6-1/8" Rock Bit and resumed drilling.

79671

83491

Drilled

Hard Shale.

4/16 Ran Schlumberger electrical logging instrument and T.T.Co. Geophones.

Ran in with 6-1/8" bit and drilled ahead. 4/17

83491 85201 8550

85201

Drilled

Hard Shale.

Sticky Shale,

8550 8557 85571 85961

Medium Hard Shale.

Hard Shale.

Ran in with 6-1/8" Reed Conventional Core Barrel. 4/23

85961

86071

Core #79

Ran in with 6-1/8" rock bit and drilled ahead.

86071

86941

Drilled

Hard Shale.

Ran in with 6-1/8" Reed Conventional Core Barrel, 4/25

The Texas Company

Beaverton Area - Oregon

Cooper Mountain #1

25
1-3
2-W Will.

8694' 8714' Core #30

4/26 Ran in with 6-1/8" Rock Bit and drilled ahead.

8714' 8731' Brilled Hard Sandy Shale.

4/27 Ran in with 6-1/8" Reed Conventional Core Barrel.

8812' 8832' Core #81

4/25 Lost one cutter of? of Reed Core Barrel Rock Head in the hole. Reran core barrel to try and pick up cutter but did not recover same. Ran Schlumberger electrical logging instrument and eidewall sampler.

4/29 Ran in with 6-1/8" rock bit to drill up cutter and sidetrack. Drilled ahead.

5832' 5891' Drilled Hard Shale,

4/30 Ran in with Reed Conventional Core Barrel,

8891' 8911' Core #85

Drilled ahead with 6-1/8" rock bit.

5911' 9163' Drilled Hard Shale.

9163 9203 Hard Shale and Sand.

9203' 9247' Hard Shale.

5/7/46 Ran in with 6-1/8" Reed Conventional Core Barrel.

9247' 9257' Gore #86 9**257'** 9263° Gore #87

Ran Schlumberger electrical logging instrument. Ran Halliburton Casing Tester on 3% Hydril drill pipe to test interval 7862'-9263'. Set packer in 7" casing at 7820' with 19' tail pace, including 6' of 3% perforated and 2 pressure recorders extending to 7839'. 3/5" bean. No water cushion. Opened tester valve but packer would not hold. Took 7 bbl. mud to fill hole (equivalent to 940' column of mud inside drill pipe). Reset packer and opened valve at 10:22 P.W.

Ro

Beaverton Area - Oregon

Cooper Mountain #1

25 1-9 2-W W111.

5/8/46 There was a medium strong, steady blow immediately at surface gradually diminishing to very weak, steady blow in 1½ hours. Mud came to surface in 2 hours 25 minutes (12:47 P.M.) Clean salt water in 5 hours. Closed valve at 4:40 A.M. Well was flowing salt water at 29 bbl./hr. rate. Temperature was 55½ degrees F. Well continued to head frothy salt water for 30 minutes. Entrained bubbles were tested for petrolsum gas but were not combustiable. Recovered 7531 of salt water in the drill pipe testing 4700 8/G. B.H.F.P. 3700%.

Ran in with open-end 3% drill pipe to plug bottom of 7° casing.
Plugged hole with 20 sax Olympic Brand Hi-Early Cement pumped in
through drill pipe hanging at 7852'. Started cementing at 1:49 P.M.
Displaced cement with 326 c.f. of mud to equalize. M.T. 2 min.,
D.T. 35 min., T.T. 37 min. Final displacement pressure 1000%. Approximate slurry density 115%/c/f. Finished cementing at 2:26 P.M.
Located top of set cement at 7936'. Recemented hole with 29 sax
Construction Gement pumped in through open-end drill pipe hanging at
7552'. Displaced cement with 325 c.f. of mud to equalize. Started
cementing at 2:04 P.M. Average mixing pressure 400%. M.T. 2 min., D.T.
34 min., T.T. 36 min. Final displacing pressure 400%. Approximate
slurry density 115%/c.f. Finished cementing at 2:40 P.M. Located top
of set cement at 7759' after standing 7 hours.

Stripped out Blowout Prevention Equipment and cellar connections.

Made up and ran in Baash Ross Spear. Set spear in top of 7° 0.D.

casing and removed landing slips. Took strain on casing and measured stretch. Ran in hole with Baash Ross Casing Cutter on 3½ drill pipe and cut casing at 4200'. Attempted to pull from that depth but casing would not come. Reran casing cutter and made second cut at 3013'. Heran casing spear and pulled casing from 3013'. Capped stub of 7" casing with 30 sax of "Cal-Seel" 60 minute Quick Setting Gement pumped in through open-end 3½ drill pipe hanging at 3013'. Started mixing cement at 4:46 P.M. Displaced cement with 125 c.f. of mud to equalize. T.T. 3 minutes, D.T. 6 minutes, T.T. 9 minutes. Estimated top of cement plug at 2943' K.B. Finished cementing at 4e55 P.M. Pulled up to shoe of 13-3/8" casing and plugged the hole with 70 sax of "Cal-Seal" Cement pumped in through open-end drill pipe hung at 1148'. Displaced cement with 46 c.f. of mud to equalize. Started mixing at 7:50 P.M., M.T. 6 min., D.T. 4 min., T.T. 10 min. Finished cementing at 8:00 P.M. Located top of set cement at 1034'. Supported full weight of the drill pipe.

Capped surface casing with steel plate and abandoned.

5/14

5/11

5/12

R

Beaverton Area - Oregon

Gooper Mt. //1

25

1-5 5-M

Will.

583.2' S & 844.5' W fr Ed Cor.

XXXXXXX

of Sec. 25

767.3 (USGS) 782.6' K.B.

June 18, 1946

W. A. CLARK

T. W. BELL XXXXX

J. H. PULS

Division Engineer XXXXXXXXX

October 27, 1945 Abandoned May 14, 1946

92631

7759'-7882' 2943'(est)-3013' 1034'-1148' (se

None

(See Geological Dent.

All measurements from K.B.

Files for core record)

ABANDONED

XXXXXXXXXXXXXXXX

54# New Seamless 20# 117' 0 8 24" 100 54.5# New Seamless J-55 13-3/8" 1128! 0 3 17" 800 78621 23# & 26# New 01 Seamless N-80 9-7/8" 800