FILE NOTATIONS

Entered in N I D File .....

Entered On S R Sheet .....

Location Map Pinned .....

Card Indexed .....

I W R for State or Fee Land .....

Checked by Chief .....

Copy N I D to Field Office .....

Approval Letter .....

Disapproval Letter .....

COMPLETION DATA:

Date Well Completed 4-18-49

OW ✓ WW..... TA.....

GW..... OS..... PA.....

Location Inspected .....

Bond released
State of Fee Land .....

LOGS FILED

Driller's Log.....

Electric Logs (No. ) 1

E..... I..... E-I..... GR..... GR-N..... Micro.....

Lat..... Mi-L..... Sonic..... Others.....

UTAH
UINTAH COUNTY
ASHLEY VALLEY

PETROLEUM INFORMATION
Denver, Colo.
(6-25-49)

Twp 5S-22E
Section 23
SW NW SE

Operator: Equity Oil Co.

Well No: 3 Ashley Valley

Commenced: 3-18-49

Formation Tops:

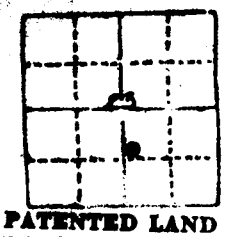
Weber 4105-4268

Completed: 4-18-49
Total Depth: 4268 (Corrected)
Elevation: 4885 RB.
Casing: 10-3/4" at 219,
7" at 4105.
Initial Production: Flowed
480 bbls oil per day.

REMARKS: _____

10

Form 9-[illegible]a



PATENTED LAND
~~STATE LAND~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION BRANCH

Section 23
T. 5 S.
R. 22 E.
S. L. Mer.
Reference No. 16

# INDIVIDUAL WELL RECORD

~~Lessee or~~ owner ~~Thomas Hall~~ Ashley Valley Oil Co.

State Utah
County Uintah
Field Ashley Valley
District Salt Lake City
Subdivision SW Cor. NW ¼ SE ¼ Sec. 23

Operator Equity Oil Company
Well No. 3
Location ~~330~~ 1670 feet from ~~N.~~-S. line and ~~330~~ 2947' feet from ~~E.~~-W. line of ~~NW~~ ¼ ~~SE~~ ¼ Sec.

Drilling approved ....., 19....
Drilling commenced March 18, 1949
Drilling ceased April 18, 1949
Completed for production April 18, 1949
Abandonment approved ....., 19....

Well elevation 4894 feet.
Total depth 4268 feet.
Initial production 480 Bbls.
Gravity A. P. I. 32°
Initial R. P. .....

| Geologic formations: Surface | Geologic formations: Lowest tested | Productive horizons: Name | Productive horizons: Depths | Productive horizons: Contents |
|---|---|---|---|---|
| Mancos Shale | Weber | Weber | 4105-4268' | Oil |

## WELL STATUS

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1949 | | | Drg | POW | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

REMARKS: Casing: 219' 10-3/4" and 4105' 7" cc. ~~Top Weber, 4105'~~

3 copies to Casper 4-1-49 See replacement sheet

U. S. GOVERNMENT PRINTING OFFICE 6—6087

ASHLEY VALLEY - Uintah County

23-5S-22E SW NW¼SE¼, Equity Oil Company Well No. 3 (Pat.), Ref. No. 16

STATUS: Drg - T.D. 1420' (Equity) MAR 1949

REMARKS: NEW DRILLING WELL. Drilling commenced 3-18-49.

Surface, Mancos. Objective, Weber approx. 4050'.

ASHLEY VALLEY - Uintah County

23-5S-22E SW NW¼SE¼, Equity Oil Company Well No. 3 (Pat.), Ref. No. 16

STATUS: POW - T.D. 4268' (Equity) APR 1949

REMARKS: NEW COMPLETION. Drilling ceased and well completed for production 4-18-49. Top Weber, 4105'. Producing horizon, Weber 4105-4268'. I.P. 480 B/D 32° A.P.I. oil. Casing: 219' 10-3/4" and 4105' 7" cemented. Replacement sheet will be submitted late

# Reservoir Engineering Laboratories

CORE ANALYSIS FINAL REPORT

EQUITY OIL COMPANY
ASHLEY VALLEY #3 Well
ASHLEY VALLEY FIELD
UINTAH COUNTY, UTAH

# Reservoir Engineering Laboratories

Vernal, Utah
May 16, 1949

Equity Oil Company
Vernal, Utah

Attention: Mr. Tom Turner

Subject: Core Analysis Final Report
Ashley Valley #3 Well
Ashley Valley Field
Uintah County, Utah

Gentlemen:

Cores from the Weber section of this well have been analyzed in our Vernal laboratory with the results herein submitted in tabular and graphical form.

Of the 150 feet cored, 147 feet were recovered and 124 feet found to be permeable and oil productive. An average permeability of 57 millidarcys gives 7069 millidarcy feet. Fractures and lost core may contribute to this capacity.

The permeability profile shows a fairly poor distribution which will result in non-uniform depletion. As will be seen below, 96.5 percent of the capacity is contained in 50 percent of the thickness: **

| Cumulative Sand Thickness Percent | Average Permeability Millidarcys | Average Porosity Percent | Average Liquid Saturation Percent of Pore Space | | Cumulative Capacity Percent |
|---|---|---|---|---|---|
| | | | Oil | Water | |
| 2. | 383. | 19.3 | 30.4 | 41.3 | 13.0 |
| 4. | 318. | 17.7 | 31.4 | 40.4 | 28.0 |
| 6. | 278. | 16.9 | 32.1 | 39.3 | 32.5 |
| 8. | 245. | 16.2 | 32.8 | 38.5 | 39.8 |
| 10. | 220. | 16.0 | 33.4 | 38.2 | 46.5 |
| 15. | 173. | 16.0 | 34.6 | 37.9 | 60.0 |
| 20. | 160. | 15.6 | 35.1 | 38.4 | 69.4 |
| 25. | 86.5 | 14.0 | 31.5 | 41.0 | 76.6 |
| 30. | 74.0 | 13.8 | 32.4 | 39.0 | 82.6 |
| 35. | 61.5 | 13.8 | 34.5 | 33.8 | 87.5 |
| 40. | 47.5 | 13.6 | 37.5 | 31.9 | 91.0 |
| 50. | 26.0 | 12.7 | 41.9 | 29.8 | 96.5 |
| 60. | 13.0 | 12.6 | 42.6 | 28.5 | 97.7 |
| 70. | 7.5 | 11.8 | 40.0 | 30.2 | 98.9 |
| 80. | 5.0 | 12.0 | 38.5 | 33.8 | 99.5 |
| 90. | 2.8 | 11.7 | 38.0 | 36.8 | 99.8 |

Calculated oil recoveries and water cut predictions are given on the final page of the report.

Yours very truly,

Gilbert A. Parks

Gilbert A. Parks
RESERVOIR ENGINEERING LABORATORIES

** Calculations and tabulations made by Ward Edinger, a registered engineer, State of Oklahoma

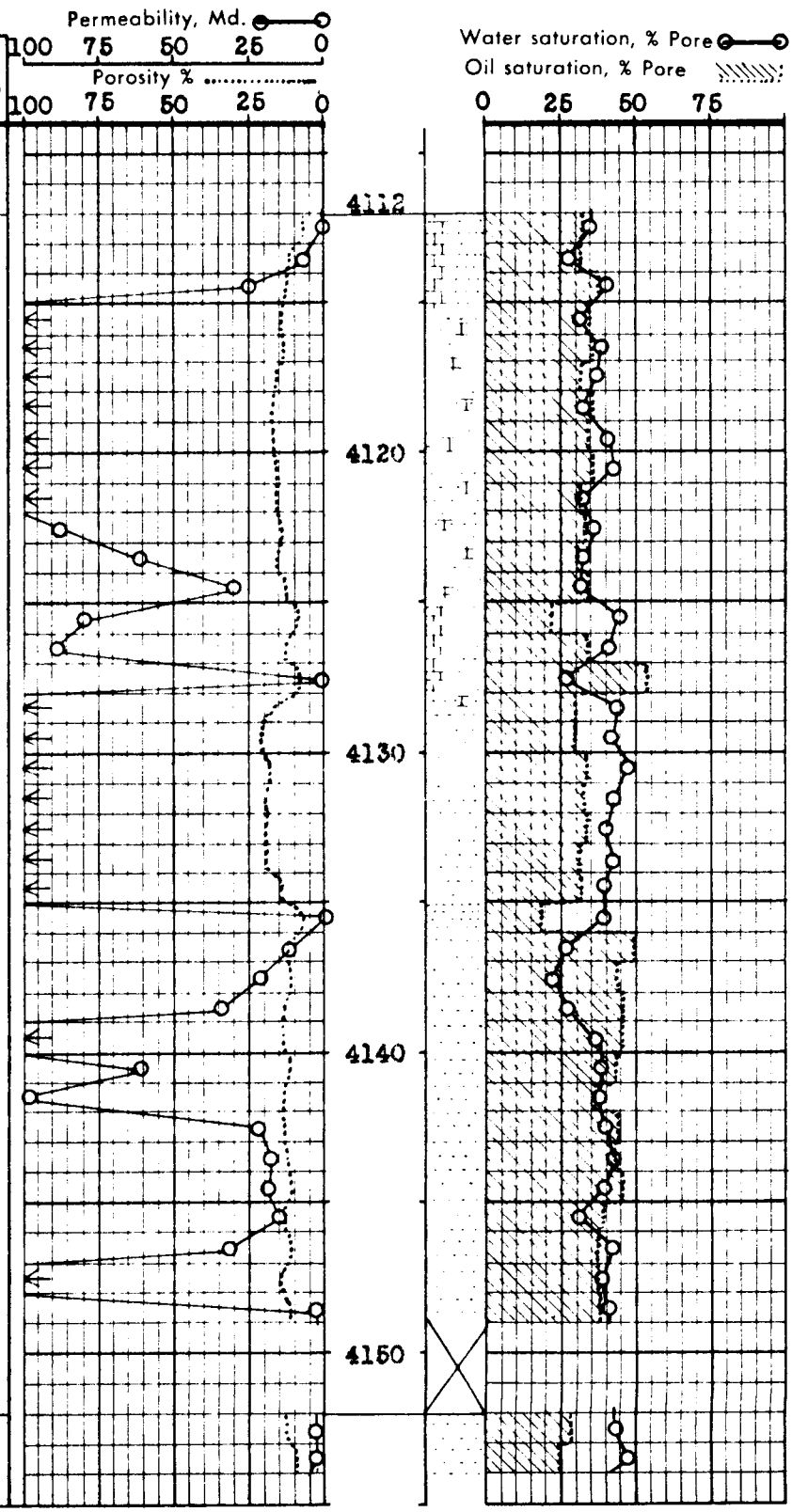
# Reservoir Engineering Laboratories

## CORE ANALYSIS REPORT

Company: EQUITY OIL COMPANY
Well: ASHLEY VALLEY #3
Field: ASHLEY VALLEY
County: UINTAH State: UTAH

Location: SE SW 23 - 8S - 22E File: V - 1
Elevation: 4805' KB Engineers: GP:MP:WJ
Type Core: DIAMOND CORE IN WATER BASE MUD
Remarks: CORE #1 (4112'-4152'); CORE #2 (4152'-4174')

| Sample Number | Depth Feet | Permeability Millidarcys | Porosity Percent | Residual Saturation Percent Pore Space Oil | Residual Saturation Percent Pore Space Water | Probable Production |
|---|---|---|---|---|---|---|
| 1 | 4112.5 | 1.1 | 6.8 | 33.3 | 34.9 | Oil |
| 2 | 13.5 | 7.1 | 11.9 | 32.7 | 26.9 | Oil |
| 3 | 14.5 | 25. | 12.6 | 38.4 | 40.0 | Oil |
| 4 | 15.5 | 130. | 14.4 | 34.8 | 31.8 | Oil |
| 5 | 16.5 | 129. | 14.0 | 35.6 | 39.9 | Oil |
| 6 | 17.5 | 140. | 15.5 | 32.2 | 36.1 | Oil* |
| 7 | 18.5 | 115. | 16.3 | 35.5 | 32.6 | Oil |
| 8 | 19.5 | 165. | 16.2 | 34.6 | 40.8 | Oil |
| 9 | 4120.5 | 244. | 15.6 | 35.8 | 42.3 | Oil |
| 10 | 21.5 | 174. | 15.3 | 31.5 | 36.5 | Oil* |
| 11 | 22.5 | 67. | 14.8 | 33.9 | 35.2 | Oil |
| 12 | 23.5 | 61. | 15.3 | 30.0 | 32.6 | Oil |
| 13 | 24.5 | 50. | 12.9 | 34.2 | 31.1 | Oil |
| 14 | 25.5 | 80. | 9.4 | 22.5 | 44.6 | Oil |
| 15 | 26.5 | 85. | 12.7 | 34.0 | 40.3 | Oil |
| 16 | 27.5 | 0.1 | 8.1 | 53.0 | 28.9 | Oil |
| 17 | 28.5 | 111. | 17.2 | 29.1 | 45.0 | Oil* |
| 18 | 29.5 | 400. | 20.2 | 29.2 | 41.5 | Oil* |
| 19 | 4130.5 | 153. | 17.2 | 33.6 | 47.5 | Oil |
| 20 | 31.5 | 282. | 16.9 | 32.7 | 42.2 | Oil |
| 21 | 32.5 | 238. | 13.3 | 33.8 | 39.2 | Oil |
| 22 | 33.5 | 456. | 19.3 | 31.0 | 42.3 | Oil |
| 23 | 34.5 | 248. | 14.2 | 31.3 | 38.0 | Oil |
| 24 | 35.5 | 0.0 | 6.8 | 17.6 | 39.5 | |
| 25 | 36.5 | 12. | 12.4 | 49.4 | 25.1 | Oil |
| 26 | 37.5 | 22. | 11.5 | 44.3 | 22.6 | Oil |
| 27 | 38.5 | 34. | 13.3 | 46.0 | 26.3 | Oil |
| 28 | 39.5 | 102. | 13.4 | 45.6 | 35.1 | Oil |
| 29 | 4140.5 | 61. | 11.8 | 43.0 | 38.0 | Oil |
| 30 | 41.5 | 97. | 13.3 | 36.8 | 38.3 | Oil |
| 31 | 42.5 | 22. | 13.3 | 44.3 | 39.8 | Oil |
| 32 | 43.5 | 18. | 12.1 | 42.2 | 42.2 | Oil |
| 33 | 44.5 | 19. | 11.2 | 45.6 | 38.5 | Oil |
| 34 | 45.5 | 15. | 13.3 | 38.2 | 30.7 | Oil* |
| 35 | 46.5 | 32. | 11.9 | 37.9 | 41.3 | Oil* |
| 36 | 47.5 | 139. | 14.2 | 37.4 | 38.1 | Oil* |
| 37 | 48.5 | 2.2 | 11.6 | 38.7 | 40.6 | Oil* |
| LOST CORE (4149'-4152') | | | | | | |
| 38 | 4152.5 | 2.5 | 12.0 | 28.2 | 44.3 | Oil |
| 39 | 53.5 | 2.9 | 9.9 | 24.4 | 47.8 | Oil |

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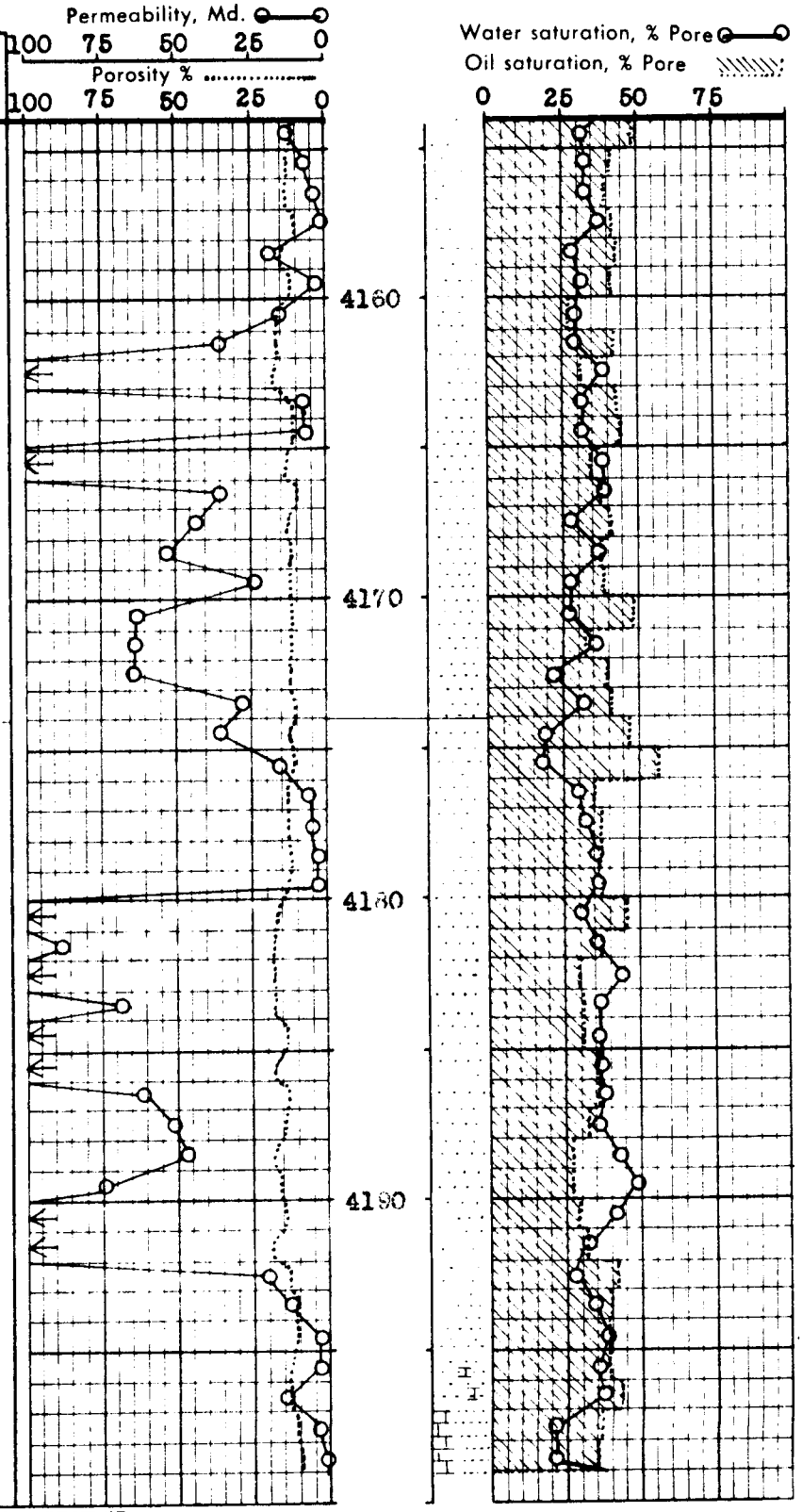
# Reservoir Engineering Laboratories

CORE ANALYSIS REPORT

Company EQUITY OIL COMPANY
Well ASHLEY VALLEY #3
Field ASHLEY VALLEY
County UINTAH State UTAH

Location SE SW 23 - 5S - 22E File V - 1
Elevation 4885' RT Engineers
Type Core DIAMOND CORE IN WATER BASE MUD
Remarks CORE #2 (4152'-4174'); CORE #3 (4174'-4229')

| Sample Number | Depth Feet | Permeability Millidarcys | Porosity Percent | Residual Saturation Percent Pore Space Oil | Residual Saturation Percent Pore Space Water | Probable Production |
|---|---|---|---|---|---|---|
| 40 | 4154.5 | 13. | 11.6 | 49.0 | 30.2 | Oil |
| 41 | 55.5 | 7.2 | 12.6 | 41.3 | 33.3 | Oil |
| 42 | 56.5 | 4.6 | 13.1 | 39.6 | 32.0 | Oil |
| 43 | 57.5 | 1.6 | 10.6 | 41.5 | 37.7 | Oil |
| 44 | 58.5 | 18. | 14.5 | 43.5 | 28.3 | Oil |
| 45 | 59.5 | 2.8 | 11.3 | 41.6 | 31.0 | Oil |
| 46 | 4160.5 | 15. | 15.4 | 38.0 | 29.2 | Oil |
| 47 | 61.5 | 35. | 15.1 | 42.9 | 29.7 | Oil |
| 48 | 62.5 | 205. | 13.7 | 30.5 | 33.9 | Oil |
| 49 | 63.5 | 8.4 | 11.3 | 42.4 | 30.9 | Oil |
| 50 | 64.5 | 6.9 | 11.3 | 44.2 | 30.9 | Oil |
| 51 | 65.5 | 245. | 13.4 | 35.0 | 33.0 | Oil* |
| 52 | 66.5 | 35. | 10.7 | 38.4 | 38.4 | Oil |
| 53 | 67.5 | 43. | 13.0 | 40.6 | 26.3 | Oil |
| 54 | 68.5 | 53. | 12.0 | 37.6 | 35.9 | Oil |
| 55 | 69.5 | 24. | 11.8 | 38.1 | 26.3 | Oil |
| 56 | 4170.5 | 63. | 10.3 | 48.4 | 27.1 | Oil |
| 57 | 71.5 | 63. | 11.2 | 33.9 | 35.6 | Oil |
| 58 | 72.5 | 64. | 12.1 | 39.8 | 21.6 | Oil* |
| 59 | 73.5 | 27. | 10.3 | 40.6 | 32.8 | Oil* |
| 60 | 4174.5 | 35. | 12.7 | 47.3 | 19.7 | Oil |
| 61 | 75.5 | 13. | 11.9 | 55.6 | 17.7 | Oil |
| 62 | 76.5 | 6.4 | 12.1 | 35.6 | 29.8 | Oil |
| 63 | 77.5 | 5.3 | 12.1 | 37.2 | 31.4 | Oil |
| 64 | 78.5 | 3.7 | 11.4 | 37.8 | 35.2 | Oil |
| 65 | 79.5 | 2.5 | 11.9 | 37.7 | 36.0 | Oil |
| 66 | 4180.5 | 129. | 15.8 | 45.6 | 31.2 | Oil |
| 67 | 81.5 | 87. | 17.9 | 37.5 | 35.2 | Oil |
| 68 | 82.5 | 158. | 17.5 | 2[illegible].2 | 43.0 | Oil |
| 69 | 83.5 | 68. | 17.5 | 30.3 | 37.1 | Oil |
| 70 | 84.5 | 256. | 14.6 | 30.7 | 36.2 | Oil |
| 71 | 85.5 | 150. | 17.3 | 35.3 | 37.3 | Oil |
| 72 | 86.5 | 62. | 12.9 | 30.1 | 38.3 | Oil |
| 73 | 87.5 | 52. | 14.0 | 33.7 | 35.1 | Oil |
| 74 | 88.5 | 47. | 17.1 | 26.4 | 42.3 | Oil |
| 75 | 89.5 | 74. | 15.8 | 27.2 | 49.3 | Oil |
| 76 | 4190.5 | 159. | 14.9 | 29.5 | 41.3 | Oil |
| 77 | 91.5 | 270. | 13.2 | 31.3 | 31.3 | Oil |
| 78 | 92.5 | 21. | 12.8 | 42.3 | 27.4 | Oil |
| 79 | 93.5 | 13. | 10.6 | 39.5 | 34.0 | Oil |
| 80 | 94.5 | 3.4 | 10.7 | 36.3 | 32.3 | Oil |
| 81 | 95.5 | 3.8 | 12.1 | 39.7 | 35.5 | Oil |
| 82 | 96.5 | 14. | 13.2 | 43.9 | 36.3 | Oil |
| 83 | 97.5 | 4.0 | 10.4 | 56.0 | 21.4 | Oil |
| 84 | 98.5 | 0.9 | 9.5 | 35.3 | 21.1 | Oil |

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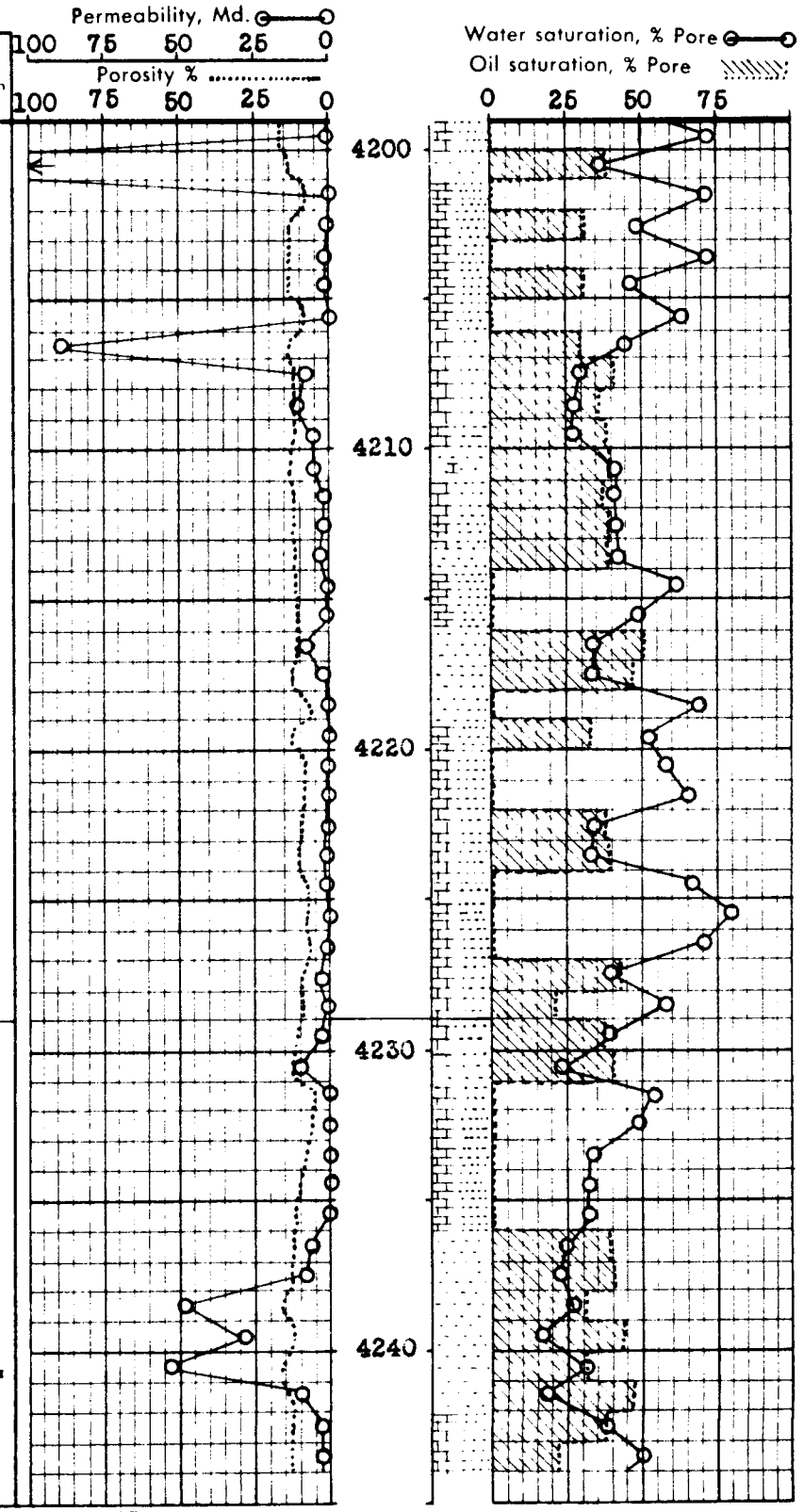
# Reservoir Engineering Laboratories

## CORE ANALYSIS REPORT

Company EQUITY OIL COMPANY
Well ASHLEY VALLEY #5
Field ASHLEY VALLEY
County UINTAH State UTAH

Location SE SW 23 - 5S - 22E File V - 1
Elevation 4088' KB Engineers
Type Core [illegible] CORE IN WATER BASE MUD
Remarks CORE #3 (4174'-4229'); CORE #4 (4229'-4262')TD.

| Sample Number | Depth Feet | Permeability Millidarcys | Porosity Percent | Residual Saturation Percent Pore Space Oil | Residual Saturation Percent Pore Space Water | Probable Production |
|---|---|---|---|---|---|---|
| 85 | 4199.5 | 0.7 | 15.9 | 0.0 | 71.7 | |
| 86 | 4200.5 | 109. | 14.5 | 37.3 | 35.9 | Oil |
| 87 | 01.5 | 0.0 | 8.1 | 0.0 | 70.3 | |
| 88 | 02.5 | 0.7 | 13.3 | 31.6 | 48.2 | Oil |
| 89 | 03.5 | 0.3 | 13.3 | 0.0 | 70.6 | |
| 90 | 04.5 | 1.9 | 13.7 | 30.7 | 46.8 | Oil |
| 91 | 05.5 | 0.0 | 9.4 | 0.0 | 63.1 | |
| 92 | 06.5 | 88. | 13.4 | 29.0 | 45.4 | Oil |
| 93 | 07.5 | 9.4 | 11.1 | 40.5 | 29.7 | Oil |
| 94 | 08.5 | 11. | 11.8 | 36.3 | 27.9 | Oil |
| 95 | 09.5 | 6.2 | 11.[illegible] | 38.1 | 27.9 | Oil |
| 96 | 4210.5 | 5.9 | 12.7 | 38.5 | 40.2 | Oil |
| 97 | 11.5 | 1.8 | 12.0 | 39.0 | 40.7 | Oil |
| 98 | 12.5 | 1.9 | 12.1 | 37.3 | 40.7 | Oil |
| 99 | 13.5 | 5.1 | 11.8 | 39.7 | 41.4 | Oil |
| 100 | 14.5 | 0.1 | 11.1 | 0.0 | 61.4 | |
| 101 | 15.5 | 0.1 | 10.8 | 0.0 | 48.0 | |
| 102 | 16.5 | 7.8 | 10.3 | 61.4 | 33.9 | Oil |
| 103 | 17.5 | 1.8 | 11.7 | 47.7 | 33.7 | Oil |
| 104 | 18.5 | 0.0 | 6.5 | 0.0 | 68.7 | |
| 105 | 19.5 | 0.4 | 12.1 | 33.0 | 51.2 | Oil |
| 106 | 4220.5 | 0.2 | 8.0 | 0.0 | 59.3 | |
| 107 | 21.5 | 0.4 | 8.3 | 0.0 | 65.2 | |
| 108 | 22.5 | 0.6 | 9.6 | 36.6 | 54.4 | Oil |
| 109 | 23.5 | 0.7 | 10.0 | 39.0 | 33.0 | Oil |
| 110 | 24.5 | 0.4 | 7.7 | 0.0 | 66.0 | |
| 111 | 25.5 | 0.0 | 7.3 | 0.0 | 78.4 | |
| 112 | 26.5 | 0.2 | 6.3 | 0.0 | 70.0 | |
| 113 | 27.5 | 2.3 | 9.2 | 43.4 | 38.0 | Oil |
| 114 | 28.5 | 0.6 | 9.5 | 22.0 | 67.8 | |
| 115 | 4229.5 | 2.5 | 10.2 | 37.3 | 39.3 | Oil |
| 116 | 30.5 | 10. | 11.5 | 40.8 | 24.3 | Oil |
| 117 | 31.5 | 0.0 | 5.1 | 0.0 | 54.7 | |
| 118 | 32.5 | 0.0 | 6.0 | 0.0 | 49.7 | |
| 119 | 33.5 | 0.0 | 8.0 | 0.0 | 34.9 | |
| 120 | 34.5 | 0.0 | 10.8 | 0.0 | 32.5 | |
| 121 | 35.5 | 0.0 | 11.5 | 0.0 | 33.0 | |
| 122 | 36.5 | 6.5 | 11.7 | 39.5 | 24.9 | Oil |
| 123 | 37.5 | 8.4 | 11.8 | 40.5 | 22.8 | Oil |
| 124 | 38.5 | 47. | 15.7 | 30.5 | 26.7 | Oil |
| 125 | 39.5 | 27. | 13.7 | 44.4 | 15.2 | Oil |
| 126 | 4240.5 | 53. | 15.2 | 30.3 | 30.3 | Oil* |
| 127 | 41.5 | 10. | 11.8 | 47.4 | 17.8 | Oil |
| 128 | 42.5 | 2.6 | 12.2 | 37.0 | 38.6 | Oil |
| 129 | 43.5 | 1.3 | 12.8 | 22.2 | 50.8 | |

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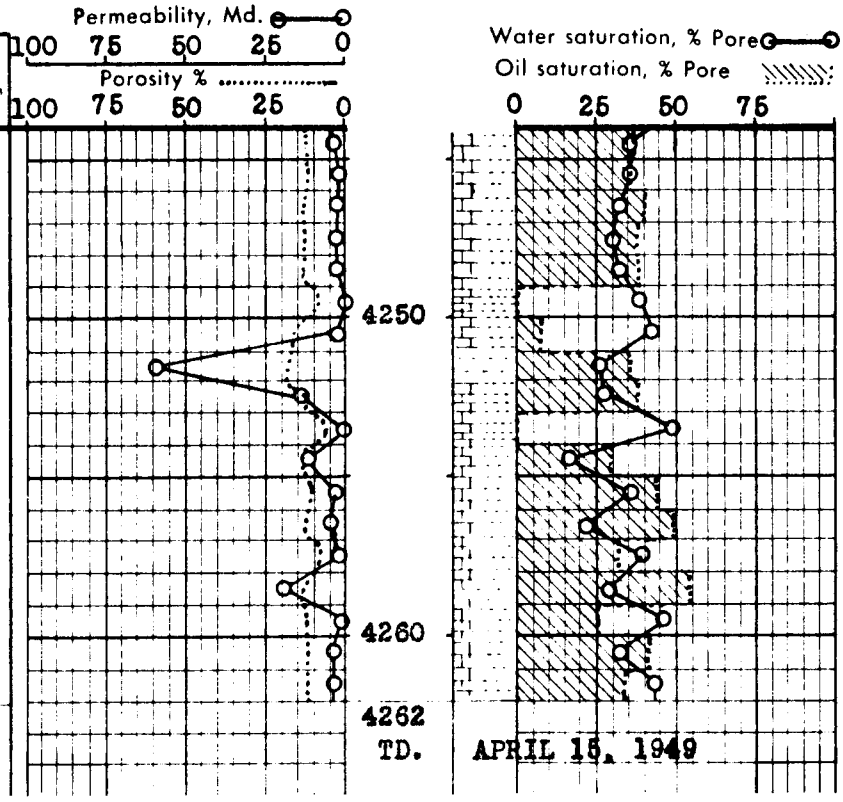
# Reservoir Engineering Laboratories

CORE ANALYSIS REPORT

Company EQUITY OIL COMPANY
Well ASHLEY VALLEY #3
Field ASHLEY VALLEY
County UINTAH State UTAH

Location SE SW 23 - 5S - 22E File V - 1
Elevation 4885' RT Engineers
Type Core DIAMOND CORE IN WATER BASE MUD
Remarks CORE #4 (4229'-4262')TD.

| Sample Number | Depth Feet | Permeability Millidarcys | Porosity Percent | Residual Saturation Percent Pore Space Oil | Residual Saturation Percent Pore Space Water | Probable Production |
|---|---|---|---|---|---|---|
| 130 | 4244.5 | 3.5 | 13.3 | 36.9 | 35.4 | Oil |
| 131 | 45.5 | 1.6 | 12.9 | 36.0 | 35.0 | Oil |
| 132 | 46.5 | 1.9 | 13.2 | 40.0 | 32.5 | Oil |
| 133 | 47.5 | 2.5 | 13.3 | 38.3 | 30.0 | Oil |
| 134 | 48.5 | 2.1 | 13.7 | 38.7 | 31.4 | Oil |
| 135 | 49.5 | 0.0 | 9.8 | 0.0 | 38.7 | |
| 136 | 4250.5 | 1.6 | 15.1 | 8.6 | 43.0 | |
| 137 | 51.5 | 59. | 17.1 | 36.2 | 25.2 | Oil |
| 138 | 52.5 | 13. | 13.4 | 38.2 | 27.0 | Oil |
| 139 | 53.5 | 0.0 | 5.7 | 0.0 | 49.3 | |
| 140 | 54.5 | 11. | 13.4 | 29.3 | 15.7 | Oil |
| 141 | 55.5 | 1.9 | 11.4 | 44.8 | 35.2 | Oil |
| 142 | 56.5 | 4.1 | 12.4 | 49.9 | 22.5 | Oil* |
| 143 | 57.5 | 1.7 | 8.5 | 30.5 | 39.9 | Oil |
| 144 | 58.5 | 19. | 13.9 | 54.1 | 28.9 | Oil |
| 145 | 59.5 | 0.7 | 12.0 | 25.0 | 47.6 | Oil |
| 146 | 4260.5 | 3.4 | 12.7 | 41.9 | 33.8 | Oil |
| 147 | 61.5 | 3.6 | 12.3 | 34.9 | 43.0 | Oil |




## SUMMARY OF CORE ANALYSIS RESULTS

Formation Cored: Weber
Depths Cored: 4112'- 4262'
Above Datum: 773' to 623'
Core Recovery: 147'; 98%
Porosity Average: 13.1 Percent
Viscosity of Oil: 9.51 cp.@100°F

Permeable Sand Recovered: 124 feet
Permeability Average: 57 millidarcys
Producing Capacity: 7069 millidarcy feet (or more)
Oil Saturation Average: 37.6 percent of pore space
Water Saturation Average: 34.4 percent of pore space
Viscosity at Formation Temperature: 6.50 cp. (calculated)

Calculated Oil Recovery:
By Gas Expansion: 133 barrels per acre foot (to Zero PSI)
By Water Drive: 418 barrels per acre foot (to 100% water cut)

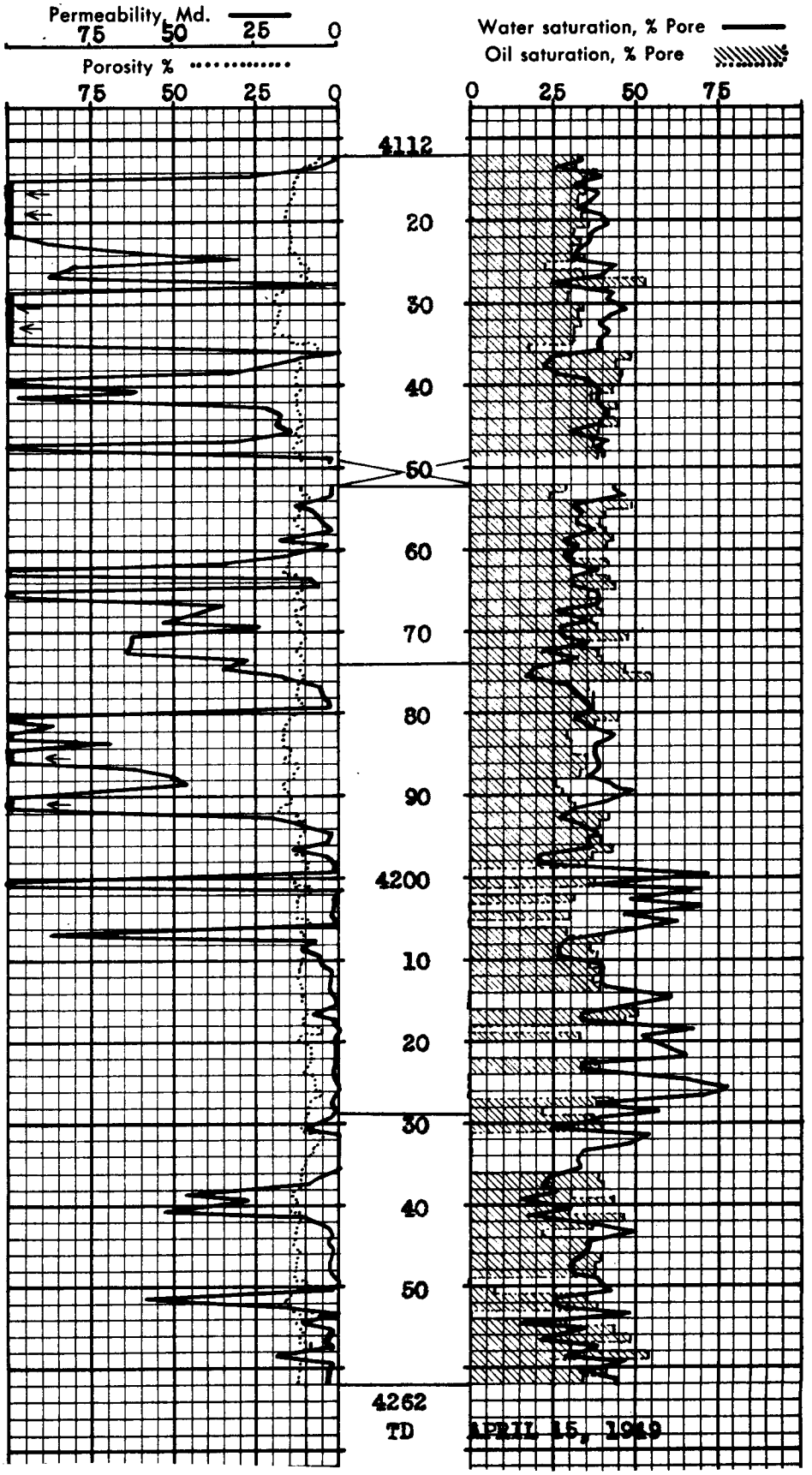
## WATER CUT HISTORY PREDICTION FROM PERMEABILITY PROFILE

| Unit Recovery Bbls/acre foot | Water Cut Percent |
|---|---|
| 50 | 16 |
| 100 | 57 |
| 150 | 81 |
| 175 | 86 |
| 200 | 93 |
| 225 | 95 |

# Reservoir Engineering Laboratories

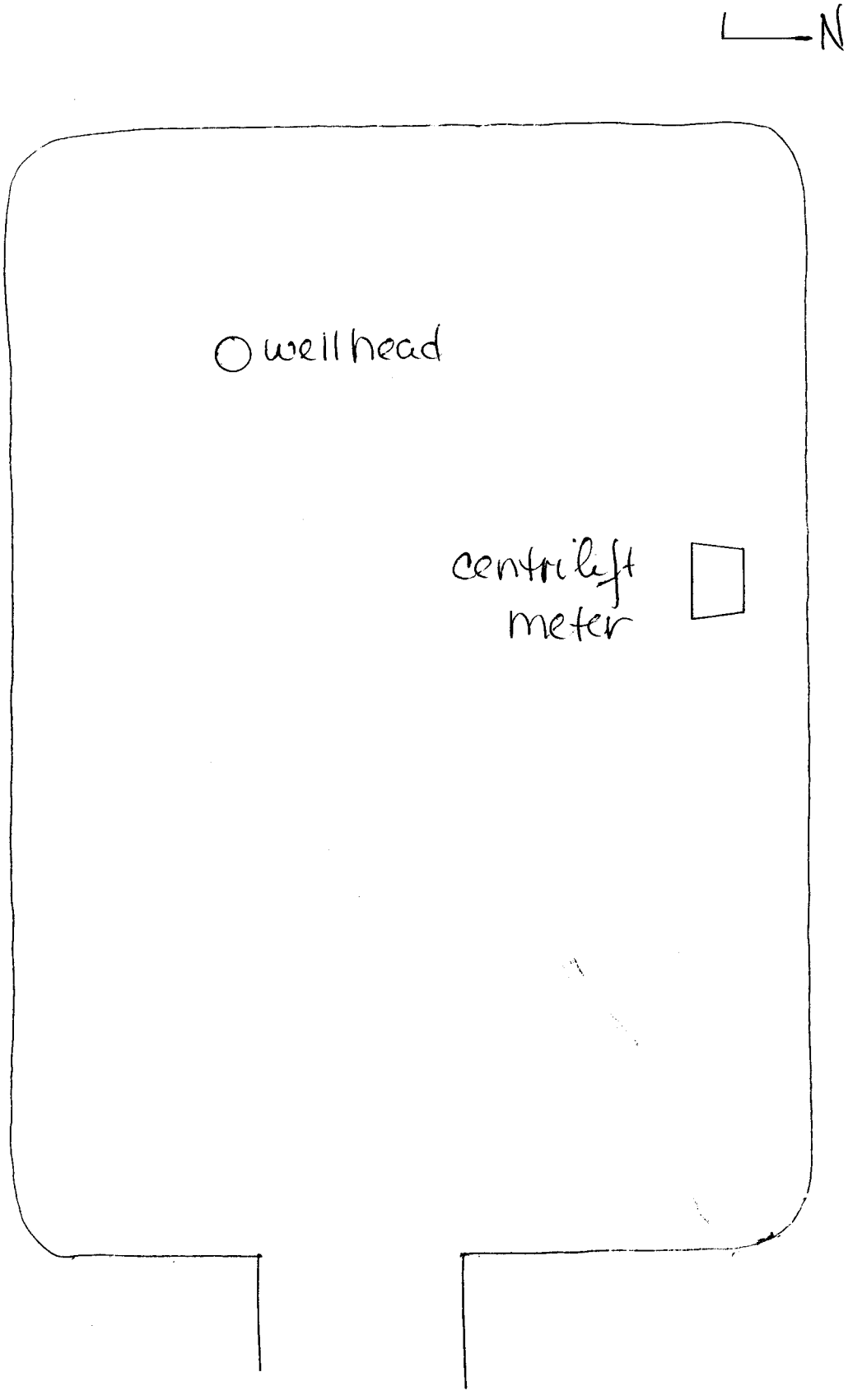
## CONDENSED CORE ANALYSIS GRAPH

Company EQUITY OIL COMPANY State UTAH File V-1
Well ASHLEY VALLEY #3 Field ASHLEY VALLEY



15399

Ashley Valley #3 Sec. 23, T5So, R22E Kubly 4/26/89




MICROFICHE

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.

# 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.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR: Equity Oil Company

8. FARM OR LEASE NAME: Ashley Valley

3. ADDRESS OF OPERATOR: P O Box 959, Salt Lake City Ut 84110-0959

9. WELL NO.: 3

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface: 2665'SNL, 725' EWL, Sec. 23, T5S, R22E
At proposed prod. zone

10. FIELD AND POOL, OR WILDCAT: Ashley Valley Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SE¼SW¼, Sec.23, T5S, R22E

14. API NO.: 4304715399

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4916 RB

12. COUNTY: Uintah

13. STATE: Utah

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) | | | |

APPROX. DATE WORK WILL START _____

SUBSEQUENT REPORT OF:

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

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

*ANNUAL STATUS REPORT

DATE OF COMPLETION _____

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.)

* Must be accompanied by a cement verification report.

Well Shut In. Uneconomic under present market conditions.

RECEIVED
JAN 24 1992
DIVISION OF
OIL GAS & MINING

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

SIGNED [signature] TITLE Petroleum Engineer DATE 1/23/92

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

(3/89)

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.

# 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.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

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

2. NAME OF OPERATOR: Equity Oil Company

8. FARM OR LEASE NAME: Ashley Valley

3. ADDRESS OF OPERATOR: P O Box 959, Salt Lake City Ut 84110-0959

9. WELL NO.: 3

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface: ~~2665' SNL~~, ~~725'~~ 2947' EWL, Sec. 23, T5S, R22E
At proposed prod. zone: 1670' FSL

10. FIELD AND POOL, OR WILDCAT: Ashley Valley Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SE¼SW¼, Sec. 23, T5S, R22E

14. API NO.: 4304715399

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4916 RB

12. COUNTY: Uintah

13. STATE: Utah

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

NOTICE OF INTENTION TO:

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

APPROX. DATE WORK WILL START _____

SUBSEQUENT REPORT OF:

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

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

*ANNUAL STATUS REPORT

DATE OF COMPLETION _____

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.)

* Must be accompanied by a cement verification report.

Well Shut In. Uneconomic under present market conditions.

RECEIVED
JAN 0 5 1993
DIVISION OF
OIL GAS & MINING

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

SIGNED [signature] TITLE Petroleum Engineer DATE 1/4/93

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

(3/89)

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

FEB 2 1996

5. LEASE DESIGNATION & SERIAL NO.
Fee

# 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.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
Equity Oil Company

8. FARM OR LEASE NAME
Ashley Valley

3. ADDRESS OF OPERATOR
P O Box 959, Salt Lake City Ut 84110-0959

9. WELL NO.
3

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface 2665'SNL, 725' EWL, Sec. 23, T5S, R22E

At proposed prod. zone

10. FIELD AND POOL, OR WILDCAT
Ashley Valley Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE¼SW¼, Sec.23, T5S, R22E

14. API NO.
4304715399

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4916 RB

12. COUNTY
Uintah

13. STATE
Utah

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) | | | |

APPROX. DATE WORK WILL START _____

SUBSEQUENT REPORT OF:

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

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

*ANNUAL STATUS REPORT

DATE OF COMPLETION _____

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.)

* Must be accompanied by a cement verification report.

Well Shut In. Uneconomic under present market conditions.

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

SIGNED [signature] TITLE Petroleum Engineer DATE 01/31/96

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

(3/89)

ST OF UTAH

DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number: Fee

# SUNDRY NOTICES AND REPORTS ON WELLS

6. If Indian, Allottee or Tribe Name: ----------

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

7. Unit Agreement Name: ----------

1. Type of Well: OIL ☒ GAS ☐ OTHER:

8. Well Name and Number: Ashley Valley #3

2. Name of Operator: Equity Oil Company

9. API Well Number: 4304715399

3. Address and Telephone Number: P.O. Box 959 Salt Lake City, UT. 84101 (801) 521-3515

10. Field and Pool, or Wildcat: Ashley Valley-Weber

4. Location of Well

Footages: 2665' FNL, 725' FWL

QQ, Sec., T.,R.,M.: NW SE Sec 23, T5S, R22E

County: Uintah

State: UT

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

| NOTICE OF INTENT (Submit in Duplicate) | | SUBSEQUENT REPORT (Submit Original Form Only) | |
|---|---|---|---|
| ☐ Abandonment | ☐ New Construction | ☐ Abandonment* | ☐ New Construction |
| ☐ Casing Repair | ☐ Pull or Alter Casing | ☐ Casing Repair | ☐ Pull or Alter Casing |
| ☐ Change of Plans | ☐ Recompletion | ☐ Change of Plans | ☐ Shoot or Acidize |
| ☐ Conversion to Injection | ☐ Shoot or Acidize | ☐ Conversion to Injection | ☐ Vent or Flare |
| ☐ Fracture Treat | ☐ Vent or Flare | ☐ Fracture Treat | ☐ Water Shut-Off |
| ☐ Multiple Completion | ☐ Water Shut-Off | ☒ Other Present Well Status - Annual Status Report | |
| ☐ Other _____ | | | |

Approximate date work will start _____

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well currently shut in.
Uneconomic under present market conditions.

RECEIVED
FEB 03 1997
DIV. OF OIL, GAS & MINING

13.

Name & Signature: Brent P. Marchant Title: Staff Operations Engineer Date: 01/31/97

(This space for State use only)

(See Instructions on Reverse Side)

(1/93)

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

| | |
|---|---|
| | 5. Lease Designation and Serial Number: Fee |
| **SUNDRY NOTICE AND REPORTS ON WELLS** | 6. If Indian, Allottee or Tribe Name: NA |
| Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals. | 7. Unit Agreement Name: NA |
| 1. Type of Well: ■ OIL ☐ GAS OTHER: SI | 8. Well Name and Number: Ashley Valley #3 |
| 2. Name of Operator: Equity Oil Company | 9. API Well Number: 43-047-15399 |
| 3. Address and Telephone Number: (801) 521-3515<br>10 West Third South, Suite 806 / P.O. Box 959 Salt Lake City, UT 84110-0959 | 10. Field and Pool, or Wildcat: Ashley Valley - Weber |

4. Location of Well

Footages: 1670' FSL, 2947' FWL-corrected County: Uintah

QQ,Sec.,T.,R.,M.; NWSE Sec. 23, T5S, R22E State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA.

| NOTICE OF INTENT (submit in duplicate) | | SUBSEQUENT REPORT (Submit Original Form Only) | |
|---|---|---|---|
| ☐ Abandonment | ☐ New Construction | ☐ Abandonment | ☐ New Construction |
| ☐ Casing Repair | ☐ Pull or Alter Casing | ☐ Casing Repair | ☐ Pull or Alter Casing |
| ☐ Change of Plans | ☐ Recompletion | ☐ Change of Plans | ☐ Recompletion |
| ☐ Conversion to Injection | ☐ Shoot or Acidize | ☐ Conversion to Injection | ☐ Shoot or Acidize |
| ☐ Fracture Treat | ☐ Vent or Flare | ☐ Fracture Treat | ☐ Vent or Flare |
| ☐ Multiple Completion | ☐ Water Shut-Off | ☐ Multiple Completion | ☐ Water Shut-Off |
| ■ Other: Shut-In Status | | ■ Other: Shut-In Status | |
| Approximate date work will start: _____ | | Date of work completion: _____ | |

Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be acompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

*Ashley Valley #3 has been SI since 1991 because it's high water/oil ratio (WOR) makes the well uneconomic to produce at current oil prices.*

*The subject well is SI at the surface with no visible leaks. Since the Ashley field Weber Fm. wells are capable of flowing several hundred barrels of fluid per day, the absence of flow demonstrates mechanical integrity at the surface.*

*Equity Oil Company requests that the SI status of Ashley Valley #3 be extended for a period of one year.*

*See enclosed letter for further information.*

**APPROVED**
The Utah Division of Oil, Gas and Mining
Robert J. Krueger, PE, Petroleum Engineer
Date: 3-17-99

RECEIVED
MAR 17 1999
DIV. OF OIL, GAS & MINING

13.

Name & Signature: Brent P. Marchant Brent P. Marchant Title: Production Manager Date: 03/16/99

(This space for State use only)

**EQUITY OIL COMPANY**

*Executive Office* SUITE 806, 10 WEST THIRD SOUTH / P.O. BOX 959 / SALT LAKE CITY, UTAH 84110-0959
FAX 801-521-3534 / PHONE 801-521-3515

**Mr. John Baza**
**State of Utah**
**Department of Natural Resources**
**Division of Oil, Gas and Mining**
**P.O. Box 145801**
**Salt Lake City, UT 84114-5801**

RECEIVED
MAR 17 1999
DIV. OF OIL, GAS & MINING

**March 16, 1999**

**Re: Ashley Valley Shut-In (SI) Wells**

As per your correspondence dated February 17, EQUITY OIL COMPANY (EOC) operates four SI wells (#1, #3, #6 and #8) in the Ashley Valley field.

EOC has been evaluating modern water shut off (WSO) techniques to determine if some type of WSO could eventually make restoring production from the SI wells economic. In 1996, all of the EOC SI wells were evaluated for future productive potential. At that time wells #9 and #10 were deemed to be the two least likely WSO candidates. The two wells were then plugged and abandoned.

A MARCIT℠ WSO treatment was performed on Ashley Valley #2 in 1997. Although technically successful, the treatment did not prove to be economic at the current oil price. We believe an oil sales price of $20/BO (minimum) at Ashley Valley is needed to justify the WSO treatments on SI wells. When economically feasible, a significant oil reserve is present in the SI wells. When these wells are plugged, the potential oil reserves will be lost.

Please see enclosed, four Sundry Notices requesting extension of SI status for Ashley Valley wells #1, #3, #6 and #8.

Thank you for your consideration of this matter.

Sincerely,

EQUITY OIL COMPANY

Brent P. Marchant

Brent P. Marchant
Production Manager

Enc: Four Sundry Notices
cc: Dave Seery

C:\MyFiles\BPM\990316.wpd

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

# *CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL*

| | |
|---|---|
| Well Name and Number: | Ashley #3 |
| API Number: | 43-047-15399 |
| Operator: | Equity Oil Co. |
| Reference Document: | Sundry Notice dated March 19, 2001, received by DOGM on March 23, 2001 |

Approval Conditions:

1. Notify the Division at least 48 hours prior to conducting abandonment operations. Please call David Hackford at 435-722-3417.
2. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

R. Allen McKee
Petroleum Engineer

April 24, 2001
Date

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number: Fee

6. If Indian, Allottee or Tribe Name: NA

7. Unit Agreement Name: NA

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL [X] GAS [ ] OTHER: SI

8. Well Name and Number: Ashley #3

2. Name of Operator: Equity Oil Company

9. API Well Number: 43-047-15399

3. Address and Telephone Number: PO Box 310 Cody, WY 82414 (307) 587-7812

10. Field and Pool, or Wildcat: Ashley Valley - Weber

4. Location of Well
Footages: 1670' FSL, 2947' FWL
QQ, Sec.,T.,R.,M.: NWSE Sec 23, T5S, R22E
County: Uintah
State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**NOTICE OF INTENT** (Submit in Duplicate)

- [X] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off
- Other _____

Approximate date work will start 04/15/01

**SUBSEQUENT REPORT** (Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Other _____
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Equity Oil Company plans to P & A Ashley Valley #3 as follows:

1) P & SB 3 1/2" NU tubing.
2) Set CIBP @ about 4050'.
3) RIH w/tubing. Set 30 sks premium cement plug on top of CIBP in 7" casing.
4) Load hole w/corrosion inhibited fresh water.
5) Set 30 sks premium cement plug 2900' - 3050'.
6) Set 30 sks premium cement plug 200' - 350' (across base of 10 3/4" surface casing).
7) Set 10 sks premium cement surface plug.
8) Cut off casing head. Run 1" pipe to 50' in 7" x 10 3/4" annulus. Cement annulus with 30 sks premium cement.
9) Cut off casing 2' below GL. Install marker cap & bury. Restore location per landowner requirements (location in wooded area next to lease road).

13. Name & Signature: Brent P. Marchant Title: Production Manager Date: 03/19/01

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 4/24/01
BY: R. A. M.

04-25-01 CHD

RECEIVED
MAR 23 2001
DIVISION OF OIL, GAS AND MINING

(See Instructions on Reverse Side)

(1\93)

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number: Fee

6. If Indian, Allottee or Tribe Name: NA

7. Unit Agreement Name: NA

1. Type of Well: OIL [XX] GAS [ ] OTHER: SI

8. Well Name and Number: Ashley #3

2. Name of Operator: Equity Oil Company

9. API Well Number: 43-047-15399

3. Address and Telephone Number: PO Box 310 Cody, WY 82414 (307) 587-7812

10. Field and Pool, or Wildcat: Ashley Valley - Weber

4. Location of Well
Footages: 1670' FSL, 2947' FWL
QQ, Sec.,T.,R.,M.: NWSE Sec 23, T5S, R22E
County: Uintah
State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**NOTICE OF INTENT**
(Submit in Duplicate)

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Approximate date work will start _____

**SUBSEQUENT REPORT**
(Submit Original Form Only)

- [XX] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of work completion 05/31/01

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Equity Oil Company has plugged and abondoned Ashley Valley #3,

See Sundry Attachment.

Request for Bond Release to follow.

Attachments: Sundry Attachment - 3 pages
Cementing Reports - 8 pages

RECEIVED
JUN 07 2001
DIVISION OF
OIL, GAS AND MINING

13. Name & Signature: Brent P. Merchant Title: Production Manager Date: 06/07/01

(This space for State use only)

(1\93) (See Instructions on Reverse Side)

**Equity Oil Company**
**Plug and Abandon Sundry Attachment**

**Ashley Valley #3** **API#: 43-047-15399**
**NWSE Sec 23, T5S, R22E**
**Unitah County, Utah**

---

May 4, 2001
Day 1 TD 4262'
Present Operations: MIRU Hobo Well Service. Change BOP pipe rams and handling equipment to 3 ½", install BOP. Flow well to earthen pit. LD 108 jts 3 ½", NU tbg on float. RU Cutters Wireline, ran gauge ring and junk basket. Set bridge plug @ 4050', well flow stopped when plug set. PU 2 7/8", EUE tbg off float, RI tag plug, SDFN.

May 5, 2001
Day 2 PBTD 4050'
Present Operations: MIRU D/S to cement. Spot 30 sks premium cement on top of CIBP. LD 5 jts tbg. Displace hole w/corrosion inhibited water. LD 24 jts tbg, bottom of tbg @ 3150'. Spot 30 sks premium cement. LD 91 jts, bottom of tbg @ 350'. Spot 30 sks cement w/2% CaCl2, top of plug @ 200'. LD to bottom of tbg @ 60'. Remove BOP equipment. Run to 60', pump 10 sks cement w/2% CaCl2 to surface. Cut off 10 ¾" surface pipe and 7" casing 4' below ground level. Pump 30 sks cement between 10 ¾" and 7", fill to surface (annulus dry). Weld marker cap on 7". Fill cellar around wellhead. RD Hobo Well Service.

Note: Dave Hackford of UT DOGM was notified, not able to witness.

May 7, 2001
Leo Rooks reports water flowing out of old cellar area.

May 8, 2001
Day 3 PBTD 0
Present Operations: Dig out around well with backhoe. Cut marker cap off casing. Well flowing fresh water at the rate of 1 GPM, no trace of oil. Weld 7" coupling on production casing. Install 7" x 2" LP swage and 2" ball valve, close well in.

May 9, 2001
Day 4 PBTD 0
Present Operations: SICP approximately 10 psi. Open valve, bled off immediately. Catch water sample. Refilled cellar on rig up side of well head and re-installed rig anchors.

May 10, 2001
Day 5 PBTD 0
Present Operations: Haul load of 2 7/8" work string tubing to location. MI Hobo Well Service, spot rig and equipment. Pump truck, tank, power swivel and BOPE on location.

May 11, 2001
Day 6 PBTD 0
Present Operations: Hobo Well Service raising derrick, engine broke down. Waiting on mechanic. Spot power swivel.

May 14, 2001
Day 7 PBTD 0
Present Operations: Mechanic work on rig engine to repair fuel pump. RU Hobo Well Service. Nipple up BOPE and drilling equipment. Reverse circulate down csg, out 2 7/8" tbg, drill good cement from surface to 15', fell thru, ran tbg to 138' and tagged solid. Closed pipe rams and pressured casing up to 300 psi. Pressure fell 100 psi in 1 min then bleed to 0 in 15 min (pumped approx ½ bbl). LD power swivel, trip out, break off bit & sub. PU 7" tension packer, trip in & set pkr @ 130', pressure tubing to 400 psi, held good for 15 min. Pressure up casing to 400 psi, pressure falls immediately. Release pkr, pull 1 jt, reset pkr @ 100', pressure up csg, fell off immediately. Pull 1jt, reset pkr @ 70', pressure up csg, fell of immediately. TO, LD pkr, SDFN.

Note: Testing witnessed by Dave Hackford.

May 15, 2001
Day 6 PBTD 138'
Present Operations: Nipple down BOPE, install 7" swedge with 2" valve, close well in. RD Hobo Well Service. Release rig, move tbg to Equity yard and unload (135 jts 2 7/8" tbg). Move Hobo off location. WO D/S to recement surface.

May 19, 2001
Day 6 PBTD 138'
Present Operations: RU Dowell/Schlumberger to cement. Mix 30 sks premium cement. Pressure 7" casing up to 400 psi, injection rate of 1/10 BPM. Pressure up to 600 psi, rate of 1/10 BPM. Pressure up to 800 psi, bled down to 615 psi in 10 min. Unable to squeeze casing leak. Flush tub and lines, WO 1" pipe. Ran 1" pipe and set 22 sk surface plug, P&LD 1" pipe. Pressured up on cement to 490 psi, bled to 467 psi and stabilized. Closed well in.

Note: The D/S pressure guage (transducers) are accurate. We conclude the rig pump guages previously used were reading low.

May 21, 2001
SICP 10-15 psi (on 300 psi guage), bled down to 0 immediately, no flow. Left valve open to monitor for flow from 7" casing. No flow from 10 ¾" x 7" annulus or around 10 ¾" surface casing.

May 22, 23, 24, 28, 29 and 30, 2001
Checked well at least once daily. No flow from 7" casing.
No flow from 10 ¾" x 7" annulus or around 10 ¾" surface casing.

May 31, 2001
Checked well, no flow. Removed 7" x 2" swage and 2" valve. Filled 7" casing to top with 1 sk Sakcrete. Welded DHM plate on casing. Refilled cellar. Dug up and cut off deadmen.

**Well Plugged and Abandoned May 31, 2001**
**Final Report**

**Schlumberger**

# Cementing Service Report

| Customer | Job Number |
|---|---|
| EQUITY OIL COMPANY | 20215870 |

| Well | Location (legal) | Dowell Location | Job Start |
|---|---|---|---|
| ASHLEY FIELD 3 | | Vernal, UT | 5/5/01 |

| Field | Formation Name/Type | Deviation | Bit Size | Well MD | Well TVD |
|---|---|---|---|---|---|
| ASHLEY FIELD | Clean-Sandstone | 1 ° | 0 in | 4,500 ft | 4,500 ft |

| County | State/Province | BHP | BHST | BHCT | Pore Press. Gradient |
|---|---|---|---|---|---|
| UINTAH | UT | 0 psi | 125 ¦F | 115 ¦F | 0 psi/ft |

| Rig Name | Drilled For | Service Via |
|---|---|---|
| | Oil | Land |

| Offshore Zone | Well Class | Well Type |
|---|---|---|
| | Old | Development |

| Drilling Fluid Type | Max. Density | Plastic Viscosity |
|---|---|---|
| | 0 lb/gal | 0 cp |

| Service Line | Job Type |
|---|---|
| Cementing | Plug & Abandon |

| Max. Allowed Tubing Pressure | Max. Allowed Ann. Pressure | WellHead Connection |
|---|---|---|
| 1500 psi | 0 psi | 2 7/8" 6.5# T/S |

**Casing/Liner**

| Depth, ft | Size, in | Weight, lb/ft | Grade | Thread |
|---|---|---|---|---|
| 291 | 10.75 | 45.5 | K55 | 8RD |
| 4500 | 7 | 23 | K55 | 8RD |

**Tubing/Drill Pipe**

| Depth, | Size, in | Weight, lb/ft | Grade | Thread |
|---|---|---|---|---|
| 4040 | 2.875 | 6.5 | N80 | N/A |
| 0 | | | | |

**Perforations/Open Hole**

| Top, ft | Bottom, ft | spf | No. of Shots | Total Interval |
|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 ft |
| 0 | 0 | 0 | 0 | Diameter |
| 0 | 0 | 0 | 0 | 0 in |

| Treat Down | Displacement | Packer Type | Packer Depth |
|---|---|---|---|
| Tubing | 22 bbl | Seal Bore | 4050 ft |

| Tubing Vol. | Casing Vol. | Annular Vol. | OpenHole Vol |
|---|---|---|---|
| 22 bbl | 0 bbl | 0 bbl | 0 bbl |

**Service Instructions**

First Plug @ 4040' 30 sks,Then Roll Hole With 160 bbl and 55 gal Corrision Inhibitor. Second Plug @ 3150' 30 sks. Third Plug @ 350' 30 sks + 2% (cacl).Last plug top out to surface with 30 sks + 2% (cacl)

Casing/Tubing Secured ☑ 1 Hole Volume Circulated prior to Cementing ☐

Lift Pressure: psi

Pipe Rotated ☐ Pipe Reciprocated ☐

No. Centralizers: 0 Top Plugs: 0 Bottom Plugs: 0

Cement Head Type:

Job Scheduled For: Arrived on Location: 5/5/01 7:00 Leave Location: 5/5/01 14:00

| Casing Tools | | Squeeze Job | |
|---|---|---|---|
| Shoe Type: | Other | Squeeze Type | |
| Shoe Depth: | 4500 ft | Tool Type: | |
| Stage Tool Type | | Tool Depth: | 0 ft |
| Stage Tool Depth: | 0 ft | Tail Pipe Size: | 0 in |
| Collar Type: | Other | Tail Pipe Depth: | 0 ft |
| Collar Depth: | ft | Sqz Total Vol: | 0 bbl |

| Time 24 hr clock | CumVol bbl | Density ppg | Elapsed Time min | Pressure psi | TotFlowrate bpm | | | Message |
|---|---|---|---|---|---|---|---|---|
| 7:29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | START ACQUISITION |
| 7:29 | 0. | 8.34 | 0.017 | 0. | 0. | 0 | 0 | |
| 7:29 | 0. | 8.34 | 0.017 | 0. | 0. | 0 | 0 | HOLD SAFETY MEETING |
| 7:29 | 0. | 8.34 | 0.017 | 0. | 0. | 0 | 0 | TEST LINE |
| 7:30 | 0. | 8.34 | 0.017 | 0. | 0. | 0 | 0 | FILL HOLE |
| 7:31 | 0. | 8.32 | 2.03 | -9.16 | 0. | 0 | 0 | |
| 7:33 | 4.35 | 8.32 | 4.04 | 100.7 | 1.68 | 0 | 0 | |
| 7:35 | 7.71 | 8.33 | 6.06 | 100.7 | 1.66 | 0 | 0 | |
| 7:36 | 7.71 | 8.33 | 6.06 | 100.7 | 1.66 | 0 | 0 | Start Cement Slurry |
| 7:36 | 7.71 | 8.33 | 6.06 | 100.7 | 1.66 | 0 | 0 | TOTAL CEMENT 6.1 |
| 7:37 | 12.22 | 15.22 | 8.07 | 174. | 2.64 | 0 | 0 | |
| 7:39 | 17.53 | 14.67 | 10.08 | 54.95 | 2.64 | 0 | 0 | CHECK DENSITY 15.6 |
| 7:41 | 21.75 | 14.76 | 12.1 | 9.16 | 2.67 | 0 | 0 | |
| 7:43 | 27.08 | 14.9 | 14.11 | 4.58 | 2.64 | 0 | 0 | |
| 7:45 | 32.39 | 14.89 | 16.13 | 9.16 | 2.64 | 0 | 0 | |
| 7:47 | 37.7 | 14.73 | 18.14 | 22.89 | 2.64 | 0 | 0 | |
| 7:47 | 37.7 | 14.73 | 18.14 | 22.89 | 2.64 | 0 | 0 | DISPLACE 22.4 BBL |
| 7:49 | 37.7 | 14.73 | 18.14 | 22.89 | 2.64 | 0 | 0 | FIRST PLUG 30 SKS |
| 7:50 | 37.7 | 14.73 | 18.14 | 22.89 | 2.64 | 0 | 0 | PLUG LENGTH IN 7" 165' |
| 7:51 | 37.7 | 14.73 | 18.14 | 22.89 | 2.64 | 0 | 0 | TOP OF PLUG 3875' |
| 8:01 | 37.7 | 14.73 | 18.14 | 22.89 | 2.64 | 0 | 0 | START CORROSION 55 GAL |

| Well | Field | Service Date | Customer | Job Number |
|---|---|---|---|---|
| ASHLEY FIELD #3 | ASHLEY FIELD | 5/4/01 | EQUITY OIL COMPANY | 20215870 |

| Time 24 hr clock | CumVol bbl | Density ppg | Elapsed Time min | Pressure psi | TotFlowrate bpm | | | Message |
|---|---|---|---|---|---|---|---|---|
| 8:03 | 44.25 | 10.84 | 21.79 | 389.2 | 2.96 | 0 | 0 | |
| 8:05 | 50.22 | 10.62 | 23.79 | 384.6 | 2.98 | 0 | 0 | |
| 8:33 | 143.3 | 10.56 | 51.89 | 595.2 | 3.73 | 0 | 0 | |
| 8:36 | 150.8 | 10.52 | 53.9 | 599.8 | 3.73 | 0 | 0 | |
| 8:38 | 158.3 | 10.49 | 55.9 | 567.8 | 3.75 | 0 | 0 | |
| 8:40 | 165.8 | 10.48 | 57.91 | 549.5 | 3.75 | 0 | 0 | |
| 8:42 | 173.3 | 10.49 | 59.91 | 503.7 | 3.71 | 0 | 0 | |
| 8:46 | 188.6 | 10.53 | 63.92 | 201.5 | 3.85 | 0 | 0 | |
| 8:48 | 188.6 | 10.53 | 63.92 | 201.5 | 3.85 | 0 | 0 | CIRULATE 160 BBL W/COR |
| 8:55 | 188.6 | 10.53 | 63.92 | 201.5 | 3.85 | 0 | 0 | SECOND PLUG 30 SKS |
| 8:56 | 188.6 | 10.53 | 63.92 | 201.5 | 3.85 | 0 | 0 | TOP OF CEMENT 2984' |
| 8:56 | 188.6 | 10.53 | 63.92 | 201.5 | 3.85 | 0 | 0 | FEET OF CEMENT 165' |
| 8:57 | 188.6 | 10.53 | 63.92 | 201.5 | 3.85 | 0 | 0 | CEMENT SLURRY 6.1 BBL |
| 9:13 | 191.4 | 10.29 | 64.89 | -18.32 | 0. | 0 | 0 | |
| 9:15 | 195.3 | 10.7 | 66.89 | 169.4 | 2.62 | 0 | 0 | New Stage Second plug |
| 9:15 | 195.3 | 10.7 | 66.89 | 169.4 | 2.62 | 0 | 0 | Start Cement Slurry |
| 9:17 | 200.6 | 14.62 | 68.9 | 4.58 | 2.62 | 0 | 0 | |
| 9:19 | 205.9 | 13.36 | 70.9 | -18.32 | 2.64 | 0 | 0 | |
| 9:21 | 211.2 | 13.54 | 72.91 | -22.89 | 2.64 | 0 | 0 | |
| 9:23 | 216.5 | 13.57 | 74.91 | -22.89 | 2.62 | 0 | 0 | |
| 9:25 | 221.8 | 13.55 | 76.92 | -22.89 | 2.64 | 0 | 0 | |
| 9:26 | 221.8 | 13.55 | 76.92 | -22.89 | 2.64 | 0 | 0 | DISPLACE 17.3 BBL |
| 9:27 | 227.1 | 13.53 | 78.92 | -22.89 | 2.64 | 0 | 0 | |
| 9:31 | 227.1 | 13.53 | 78.92 | -22.89 | 2.64 | 0 | 0 | P&LD TUBING TO 350' |
| 9:31 | 227.1 | 13.53 | 78.92 | -22.89 | 2.64 | 0 | 0 | THIRD PLUG 30 SKS + 2% |
| 9:32 | 227.1 | 13.53 | 78.92 | -22.89 | 2.64 | 0 | 0 | TOP OF THIRD PLUG 184' |
| 9:33 | 227.1 | 13.53 | 78.92 | -22.89 | 2.64 | 0 | 0 | CEMENT SLURRY 6.1 BBL |
| 9:53 | 227.1 | 13.53 | 78.92 | -22.89 | 2.64 | 0 | 0 | DISPLACE 1.1 BBL |
| 10:36 | 227.1 | 13.53 | 78.92 | -22.89 | 2.64 | 0 | 0 | RESTART AFTER PAUSE |
| 10:36 | 230.9 | 13.42 | 80.64 | -22.89 | 0. | 0 | 0 | |
| 10:36 | 230.9 | 13.42 | 80.64 | -22.89 | 0. | 0 | 0 | FILL HOLE |
| 10:38 | 234.2 | 14.5 | 82.65 | -18.32 | 2.64 | 0 | 0 | |
| 10:40 | 239.6 | 16.88 | 84.65 | 32.05 | 2.64 | 0 | 0 | |
| 10:42 | 244.9 | 16.12 | 86.66 | -13.74 | 2.64 | 0 | 0 | |
| 10:44 | 247.3 | 16.1 | 88.66 | -22.89 | 0. | 0 | 0 | |
| 10:45 | 247.3 | 16.1 | 88.66 | -22.89 | 0. | 0 | 0 | PAUSE ACQUISITION |
| 11:01 | 247.3 | 16.1 | 88.66 | -22.89 | 0. | 0 | 0 | SET 60' PLUG IN 7" |
| 11:01 | 247.3 | 17.86 | 89.31 | 9.16 | 0.264 | 0 | 0 | |
| 11:03 | 248.4 | 15.73 | 91.33 | -13.74 | 0. | 0 | 0 | CUT OFF WELL HEAD |
| 11:34 | 248.4 | 15.73 | 91.33 | -13.74 | 0. | 0 | 0 | TOP-OFF 7' CASING WITH |
| 11:35 | 248.4 | 15.73 | 91.33 | -13.74 | 0. | 0 | 0 | 30 SKS + 2% CACL |
| 11:36 | 248.4 | 15.73 | 91.33 | -13.74 | 0. | 0 | 0 | TOP-OFF ANNULAS |

| Well | Field | Service Date | Customer | Job Number |
|---|---|---|---|---|
| ASHLEY FIELD #3 | ASHLEY FIELD | 5/4/01 | EQUITY OIL COMPANY | 20215870 |

| Time (24 hr clock) | CumVol (bbl) | Density (ppg) | Elapsed Time (min) | Pressure (psi) | TotFlowrate (bpm) | | | Message |
|---|---|---|---|---|---|---|---|---|

## Post Job Summary

| Average Pump Rates, bpm | | | | Volume of Fluid Injected, bbl | | | |
|---|---|---|---|---|---|---|---|
| Slurry | N2 | Mud | Maximum Rate | Total Slurry | Mud | Spacer | N2 |
| 2 | 0 | 0 | 4 | 24.6 | 0 | 190 | 0 |

| Treating Pressure Summary, psi | | | | | Breakdown Fluid | | |
|---|---|---|---|---|---|---|---|
| Maximum | Final | Average | Bump Plug to | Breakdown | Type | Volume | Density |
| 300 | 300 | 300 | 0 | 300 | | 0 bbl | 0 lb/gal |

| Avg. N2 Percent | Designed Slurry Volume | Displacement | Mix Water Temp | | |
|---|---|---|---|---|---|
| 0 % | 24.6 bbl | 23 bbl | 60 ¡F | ☑ Cement Circulated to Surface? | Volume 0.5 bbl |
| | | | | ☐ Washed Thru Perfs | To 0 ft |

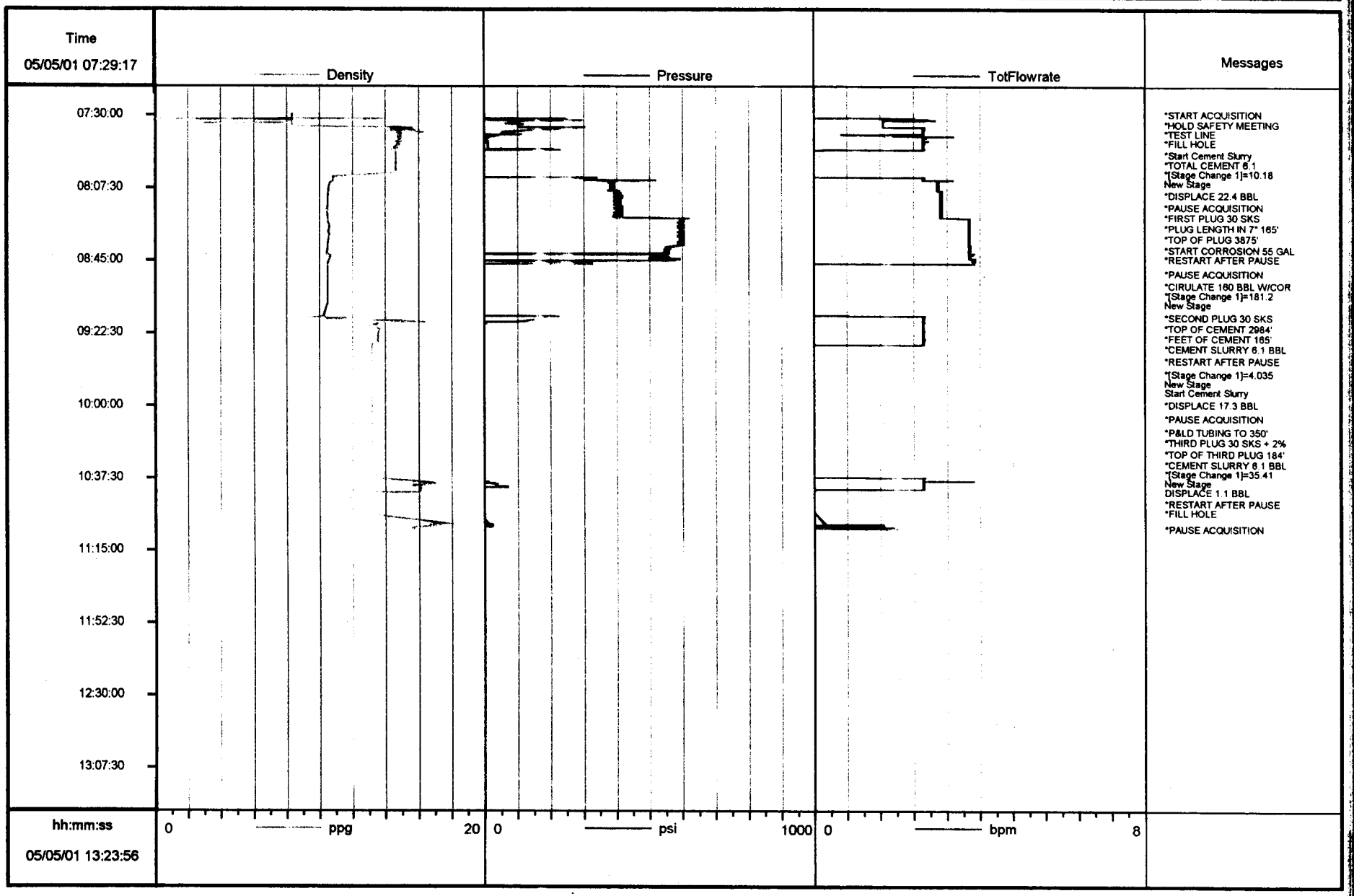
| Customer or Authorized Representative | Dowell Supervisor | | |
|---|---|---|---|
| Jim Hogue | Jake Foreman | ☐ CirculationLost | ☑ Job Completed |

Schlumberger
Dowell

# Cementing Job Report

PRISM* V2.23

| | | | |
|---|---|---|---|
| **Well** | ASHLEY FIELD #3 | **Client** | EQUITY |
| **Field** | NBU | **SIR No.** | 2067-4669 |
| **Country** | USA | **Job Date** | 5/5/2001 7:29:17 AM |




05/05/2001 13:40:55 Job: vut4669

* Mark of Schlumberger

**Schlumberger**

# Cementing Service Report

| Customer | Job Number |
|---|---|
| EQUITY OIL COMPANY | 20218590 |

| Well | Location (legal) | Dowell Location | Job Start |
|---|---|---|---|
| ASHLEY FIELD 3 | | Vernal, UT | 5/19/01 |

| Field | Formation Name/Type | Deviation | Bit Size | Well MD | Well TVD |
|---|---|---|---|---|---|
| ASHLEY FIELD | | 0 ° | 0 in | 0 ft | 0 ft |

| County | State/Province | BHP | BHST | BHCT | Pore Press. Gradient |
|---|---|---|---|---|---|
| | UT | 0 psi | 0 ¦F | 0 ¦F | 0 psi/ft |

| Rig Name | Drilled For | Service Via |
|---|---|---|
| | Oil | Land |

| Offshore Zone | Well Class | Well Type |
|---|---|---|
| | Old | Development |

| Drilling Fluid Type | Max. Density | Plastic Viscosity |
|---|---|---|
| | 0 lb/gal | 0 cp |

| Service Line | Job Type |
|---|---|
| Cementing | Sqz Hole in Case/Perf |

| Max. Allowed Tubing Pressure | Max. Allowed Ann. Pressure | WellHead Connection |
|---|---|---|
| 400 psi | 0 psi | 7" casing swedge |

**Service Instructions**

Squeeze well as instructed w/

30 sks G cement + 2% S001 on side

(Extra 30 sks loaded.)

**Casing/Liner**

| Depth, ft | Size, in | Weight, lb/ft | Grade | Thread |
|---|---|---|---|---|
| 300 | 10.75 | | | |
| | 7 | | | |

**Tubing/Drill Pipe**

| Depth, | Size, in | Weight, lb/ft | Grade | Thread |
|---|---|---|---|---|
| 0 | 0 | 0 | | |
| 0 | 0 | 0 | | |

**Perforations/Open Hole**

| Top, ft | Bottom, ft | spf | No. of Shots | Total Interval |
|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 ft |
| 0 | 0 | 0 | 0 | Diameter |
| 0 | 0 | 0 | 0 | 0 in |

| Treat Down | Displacement | Packer Type | Packer Depth |
|---|---|---|---|
| Casing | 0 bbl | | 0 ft |

| Tubing Vol. | Casing Vol. | Annular Vol. | OpenHole Vol |
|---|---|---|---|
| 0 bbl | 4 bbl | 0 bbl | 0 bbl |

Casing/Tubing Secured ☐ 1 Hole Volume Circulated prior to Cementing ☐

Lift Pressure: psi

Pipe Rotated ☐ Pipe Reciprocated ☐

No. Centralizers: 0 Top Plugs: 0 Bottom Plugs: 0

Cement Head Type:

Job Scheduled For: Arrived on Location: 5/19/01 7:00 Leave Location: 5/19/01 11:00

| Casing Tools | | Squeeze Job | |
|---|---|---|---|
| Shoe Type: | | Squeeze Type | |
| Shoe Depth: | 0 ft | Tool Type: | |
| Stage Tool Type | | Tool Depth: | 0 ft |
| Stage Tool Depth: | 0 ft | Tail Pipe Size: | 0 in |
| Collar Type: | | Tail Pipe Depth: | 0 ft |
| Collar Depth: | ft | Sqz Total Vol: | 0 bbl |

| Time 24 hr clock | CumVol bbl | Density ppg | Pressure U1 psi | Tot/Flowrate bpm | | | | Message |
|---|---|---|---|---|---|---|---|---|
| 7:40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | START ACQUISITION |
| 7:40 | 0. | -6.25 | -3750 | 0. | 0 | 0 | 0 | |
| 7:40 | 0. | -6.25 | -3750 | 0. | 0 | 0 | 0 | Hold Safety Meeting |
| 7:41 | 0. | -6.25 | -3750 | 0. | 0 | 0 | 0 | Mix Slurry |
| 7:41 | 0. | 16.18 | 100.7 | 0. | 0 | 0 | 0 | |
| 7:42 | 0. | 0.282 | 0. | 0. | 0 | 0 | 0 | |
| 7:43 | 0. | -0.008 | 0. | 0. | 0 | 0 | 0 | |
| 7:44 | 0. | 16.23 | 4.58 | 0. | 0 | 0 | 0 | |
| 7:45 | 0. | 14.76 | 4.58 | 0. | 0 | 0 | 0 | |
| 7:45 | 0. | 14.76 | 4.58 | 0. | 0 | 0 | 0 | Start Pumping Spacer |
| 7:46 | 0. | 8.46 | 18.32 | 0. | 0 | 0 | 0 | |
| 7:47 | 0.43 | 8.49 | 13.74 | 1.28 | 0 | 0 | 0 | |
| 7:47 | 0.43 | 8.49 | 13.74 | 1.28 | 0 | 0 | 0 | Start Cement Slurry |
| 7:48 | 1.72 | 15.15 | 128.2 | 1.3 | 0 | 0 | 0 | |
| 7:49 | 3.03 | 15.19 | 123.6 | 1.3 | 0 | 0 | 0 | |
| 7:50 | 5.21 | 15.18 | 128.2 | 2.76 | 0 | 0 | 0 | |
| 7:51 | 8. | 15.17 | 123.6 | 2.79 | 0 | 0 | 0 | |
| 7:52 | 8. | 15.17 | 123.6 | 2.79 | 0 | 0 | 0 | Reprime Pump |
| 7:52 | 8.51 | 16.06 | 0. | 0. | 0 | 0 | 0 | |
| 7:53 | 11.11 | 9.33 | 471.6 | 7.74 | 0 | 0 | 0 | |
| 7:54 | 12.86 | 14.8 | 691.4 | 0. | 0 | 0 | 0 | |
| 7:55 | 12.86 | 14.38 | 439.6 | 0. | 0 | 0 | 0 | |

| Well | Field | Service Date | Customer | Job Number |
|---|---|---|---|---|
| ASHLEY FIELD #3 | ASHLEY FIELD | 5/18/01 | EQUITY OIL COMPANY | 20218590 |

| Time 24 hr clock | CumVol bbl | Density ppg | Pressure U1 psi | TotFlowrate bpm | | | | Message |
|---|---|---|---|---|---|---|---|---|
| 7:56 | 12.86 | 13.9 | 352.6 | 0. | 0 | 0 | 0 | |
| 7:57 | 12.86 | 13.93 | 311.4 | 0. | 0 | 0 | 0 | |
| 7:58 | 12.86 | 13.93 | 288.5 | 0. | 0 | 0 | 0 | |
| 7:59 | 12.86 | 13.93 | 274.7 | 0. | 0 | 0 | 0 | |
| 8:00 | 12.86 | 14.74 | 265.6 | 0. | 0 | 0 | 0 | |
| 8:01 | 12.87 | 14.81 | 393.8 | 0. | 0 | 0 | 0 | |
| 8:02 | 12.87 | 14.86 | 361.7 | 0. | 0 | 0 | 0 | |
| 8:03 | 12.87 | 15.31 | 0. | 0. | 0 | 0 | 0 | |
| 8:04 | 12.87 | 14.72 | 59.52 | 0. | 0 | 0 | 0 | |
| 8:05 | 12.97 | 14.71 | 631.9 | 0. | 0 | 0 | 0 | |
| 8:06 | 12.97 | 14.67 | 522. | 0. | 0 | 0 | 0 | |
| 8:07 | 12.97 | 14.66 | 489.9 | 0. | 0 | 0 | 0 | |
| 8:08 | 12.97 | 14.65 | 476.2 | 0. | 0 | 0 | 0 | |
| 8:09 | 12.97 | 14.64 | 467. | 0. | 0 | 0 | 0 | |
| 8:10 | 12.97 | 14.71 | 457.9 | 0. | 0 | 0 | 0 | |
| 8:11 | 12.99 | 14.71 | 764.7 | 0. | 0 | 0 | 0 | |
| 8:12 | 12.99 | 14.68 | 705.1 | 0. | 0 | 0 | 0 | |
| 8:13 | 12.99 | 14.67 | 691.4 | 0. | 0 | 0 | 0 | |
| 8:14 | 12.99 | 14.66 | 677.7 | 0. | 0 | 0 | 0 | |
| 8:15 | 12.99 | 14.66 | 668.5 | 0. | 0 | 0 | 0 | |
| 8:16 | 12.99 | 14.66 | 659.3 | 0. | 0 | 0 | 0 | |
| 8:17 | 12.99 | 14.65 | 650.2 | 0. | 0 | 0 | 0 | |
| 8:18 | 12.99 | 14.64 | 641. | 0. | 0 | 0 | 0 | |
| 8:19 | 12.99 | 14.64 | 631.9 | 0. | 0 | 0 | 0 | |
| 8:20 | 12.99 | 14.64 | 622.7 | 0. | 0 | 0 | 0 | |
| 8:21 | 12.99 | 14.64 | 613.6 | 0. | 0 | 0 | 0 | |
| 8:22 | 12.99 | 14.64 | 604.4 | 0. | 0 | 0 | 0 | |
| 8:23 | 12.99 | 14.64 | 599.8 | 0. | 0 | 0 | 0 | |
| 8:24 | 12.99 | 14.64 | 590.7 | 0. | 0 | 0 | 0 | |
| 8:25 | 12.99 | 14.64 | 586.1 | 0. | 0 | 0 | 0 | |
| 8:26 | 12.99 | 14.64 | 576.9 | 0. | 0 | 0 | 0 | |
| 8:27 | 12.99 | 14.65 | 549.5 | 0. | 0 | 0 | 0 | |
| 8:27 | 12.99 | 14.65 | 549.5 | 0. | 0 | 0 | 0 | Shut Down Run 1 Inch |
| 8:27 | 12.99 | 14.65 | 549.5 | 0. | 0 | 0 | 0 | STOP ACQUISITION |
| 9:21 | 12.99 | -6.25 | -3750 | 0. | 0 | 0 | 0 | |
| 9:21 | 12.99 | 14.65 | 549.5 | 0. | 0 | 0 | 0 | START ACQUISITION |
| 9:22 | 12.99 | -6.25 | -3750 | 0. | 0 | 0 | 0 | Start Cement Slurry |
| 9:22 | 12.99 | 13.87 | 123.6 | 0. | 0 | 0 | 0 | |
| 9:23 | 12.99 | 15.8 | 59.52 | 0. | 0 | 0 | 0 | |
| 9:24 | 12.99 | 15.81 | 64.1 | 0. | 0 | 0 | 0 | |
| 9:25 | 12.99 | 15.81 | 4.58 | 0. | 0 | 0 | 0 | |
| 9:26 | 12.99 | 16.17 | 4.58 | 0. | 0 | 0 | 0 | Shut Mix More Cement |
| 9:27 | 12.99 | 16.76 | 0. | 0. | 0 | 0 | 0 | |
| 9:28 | 12.99 | 16.7 | 0. | 0. | 0 | 0 | 0 | |
| 9:29 | 12.99 | 15.91 | 0. | 0. | 0 | 0 | 0 | |
| 9:30 | 12.99 | 12.34 | 64.1 | 0. | 0 | 0 | 0 | |
| 9:31 | 12.99 | 12.39 | 64.1 | 0. | 0 | 0 | 0 | |
| 9:32 | 12.99 | 12.64 | 64.1 | 0. | 0 | 0 | 0 | |
| 9:33 | 12.99 | 12.7 | 68.68 | 0. | 0 | 0 | 0 | |
| 9:34 | 12.99 | 12.72 | 64.1 | 0. | 0 | 0 | 0 | |
| 9:35 | 12.99 | 12.77 | 68.68 | 0. | 0 | 0 | 0 | |
| 9:36 | 12.99 | 12.81 | 68.68 | 0. | 0 | 0 | 0 | |
| 9:37 | 12.99 | 12.84 | 64.1 | 0. | 0 | 0 | 0 | |
| 9:38 | 12.99 | 12.88 | 45.79 | 0. | 0 | 0 | 0 | |

| Well | Field | Service Date | Customer | Job Number |
|---|---|---|---|---|
| ASHLEY FIELD #3 | ASHLEY FIELD | 5/18/01 | EQUITY OIL COMPANY | 20218590 |

| Time 24 hr clock | Cum Vol bbl | Density ppg | Pressure U1 psi | Tot Flowrate bpm | | | | Message |
|---|---|---|---|---|---|---|---|---|
| 9:39 | 12.99 | 12.89 | 50.37 | 0. | 0 | 0 | 0 | |
| 9:40 | 14.24 | 13.18 | 96.15 | 3.14 | 0 | 0 | 0 | Cement To Surface |
| 9:41 | 16.77 | 14.35 | 22.89 | 0. | 0 | 0 | 0 | |
| 9:42 | 16.77 | 14.1 | 27.47 | 0. | 0 | 0 | 0 | Wash Pumps And Lines |
| 9:43 | 16.77 | 14.45 | 27.47 | 0. | 0 | 0 | 0 | |
| 9:45 | 16.77 | 14.2 | 4.58 | 0. | 0 | 0 | 0 | |
| 9:46 | 16.77 | 14.11 | -4.58 | 0. | 0 | 0 | 0 | |
| 9:47 | 16.77 | 14.3 | -4.58 | 0. | 0 | 0 | 0 | |
| 9:48 | 16.77 | 14.16 | 0. | 0. | 0 | 0 | 0 | |
| 9:49 | 16.77 | 14.11 | 0. | 0. | 0 | 0 | 0 | |
| 9:50 | 16.77 | 14.12 | 0. | 0. | 0 | 0 | 0 | |
| 9:51 | 16.77 | 14.09 | -4.58 | 0. | 0 | 0 | 0 | |
| 9:52 | 16.77 | 13.96 | -4.58 | 0. | 0 | 0 | 0 | |
| 9:53 | 16.77 | 8.47 | 27.47 | 0. | 0 | 0 | 0 | |
| 9:54 | 16.77 | 8.35 | -4.58 | 0. | 0 | 0 | 0 | |
| 9:55 | 16.77 | 8.39 | -4.58 | 0. | 0 | 0 | 0 | |
| 9:56 | 16.77 | 8.36 | -4.58 | 0. | 0 | 0 | 0 | |
| 9:57 | 16.77 | 8.89 | 36.63 | 0. | 0 | 0 | 0 | |
| 9:58 | 16.77 | 8.78 | 59.52 | 0. | 0 | 0 | 0 | |
| 9:59 | 17.57 | 8.84 | 54.95 | 1.64 | 0 | 0 | 0 | Pressure Up Caseing |
| 10:00 | 17.99 | 8.81 | 938.6 | 0. | 0 | 0 | 0 | Closed valve |
| 10:01 | 17.99 | 8.78 | 783. | 0. | 0 | 0 | 0 | |
| 10:02 | 17.99 | 8.78 | 737.2 | 0. | 0 | 0 | 0 | |
| 10:03 | 17.99 | 8.88 | 517.4 | 0. | 0 | 0 | 0 | |
| 10:03 | 17.99 | 8.88 | 517.4 | 0. | 0 | 0 | 0 | Shutn down 470 On Caseing |
| 10:04 | 17.99 | 9.27 | 467. | 0. | 0 | 0 | 0 | |

## Post Job Summary

**Average Pump Rates, bpm**

| Slurry | N2 | Mud | Maximum Rate |
|---|---|---|---|
| 0.3 | 0 | 0 | 0.3 |

**Volume of Fluid Injected, bbl**

| Total Slurry | Mud | Spacer | N2 |
|---|---|---|---|
| 4 | 0 | 1 | 0 |

**Treating Pressure Summary, psi**

| Maximum | Final | Average | Bump Plug to | Breakdown |
|---|---|---|---|---|
| 650 | 450 | 0 | 0 | 0 |

**Breakdown Fluid**

| Type | Volume | Density |
|---|---|---|
| | 0 bbl | 0 lb/gal |

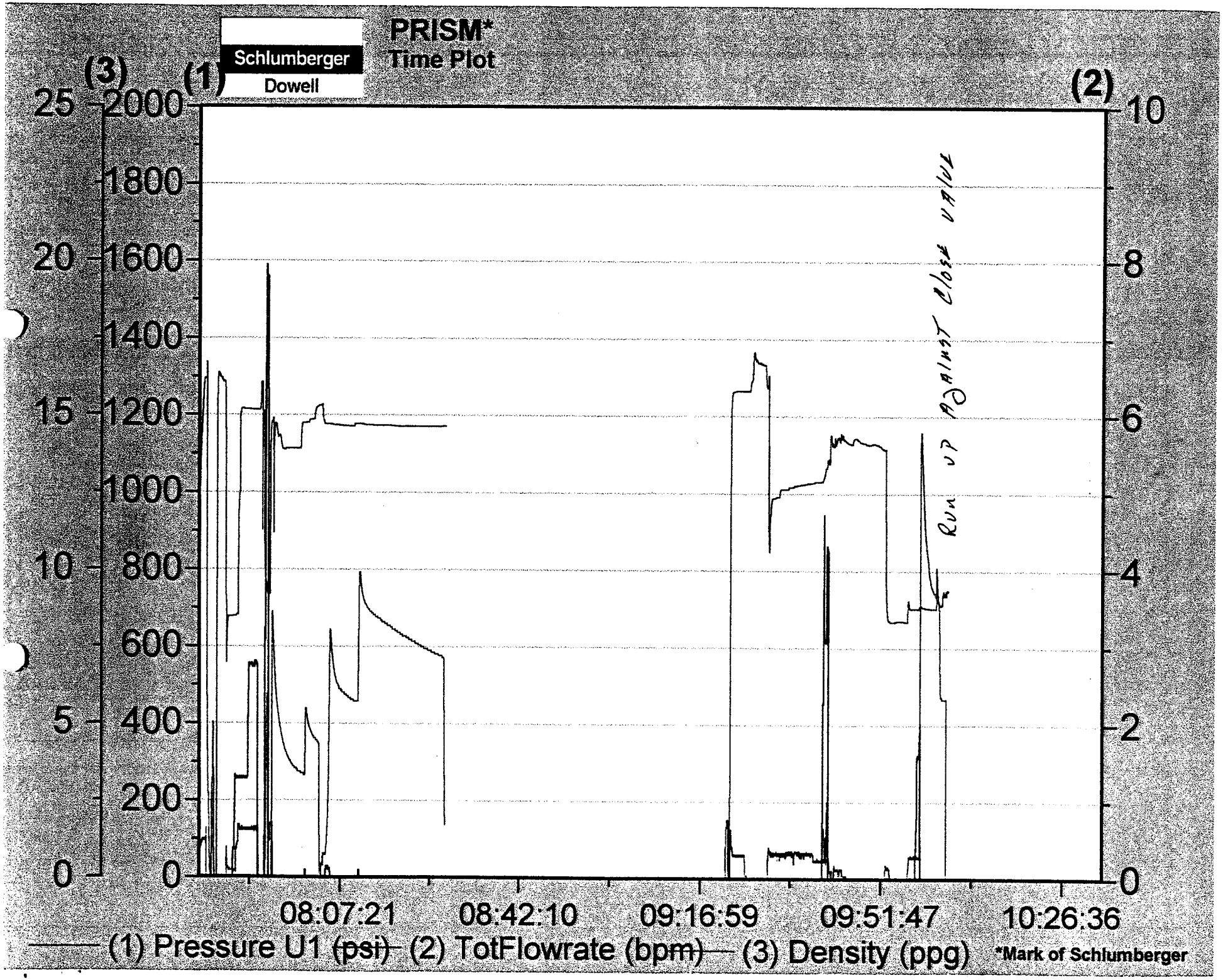
| Avg. N2 Percent | Designed Slurry Volume | Displacement | Mix Water Temp |
|---|---|---|---|
| 0 % | 0 bbl | 0 bbl | °F |

☑ Cement Circulated to Surface? Volume 1 bbl

☐ Washed Thru Perfs To 0 ft

| Customer or Authorized Representative | Dowell Supervisor |
|---|---|
| Jim Hogue | Preston Searle |

☐ Circulation Lost ☑ Job Completed


Schlumberger
Dowell
PRISM*
Time Plot
(3)
(1)
(2)
25
20
15
10
5
0
2000
1800
1600
1400
1200
1000
800
600
400
200
0
10
8
6
4
2
0
08:07:21
08:42:10
09:16:59
09:51:47
10:26:36
Run up against close valve
(1) Pressure U1 (psi)
(2) TotFlowrate (bpm)
(3) Density (ppg)
*Mark of Schlumberger