

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 4868

Name: Asher Associates, Inc.

Address 7340 Caley Ave., 310
Englewood, Colorado 80111

City/State/Zip _____

Purchaser: _____

Operator Contact Person: Harold Patton

Phone (303) 770-4100

Contractor: Name: Golden Eagle Drilling, Inc.

License: 8682

Wellsite Geologist: Jim Reeves

Designate Type of Completion

New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

3-29-91 4-4-91 4-4-91

Spud Date Date Reached TD Completion Date

API NO. 15- 039-20872-60-60

County Decatur

NE NE SW Sec. 26 Twp. 3 Rge. 29 East West

2310 Ft. North from Southeast Corner of Section

2970 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

Lease Name savage Well # 1

Field Name Wildcat

Producing Formation _____

Elevation: Ground 2775 KB 2783

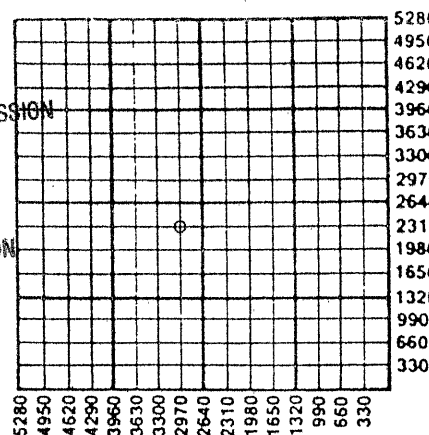
Total Depth 4160 PBDT 4160

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JUN 17 1991

CONSERVATION DIVISION
Wichita, Kansas

6-17-91



API DRA

Amount of Surface Pipe Set and Cemented at 266 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Harold Patton

Title Vice-President Date 5-28-91

Subscribed and sworn to before me this 28 day of May, 19 91.

Notary Public Blaine Munday

Date Commission Expires 1-10-94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

SIDE TWO

Operator Name Asher Associates, Inc. Lease Name Savage Well # 1
 Sec. 26 Twp. 3 Rge. 29 East County Decatur
 West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

| | |
|---|--|
| Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.) | <p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input type="checkbox"/> Log <input type="checkbox"/> Sample</p> <p>Name _____ Top _____ Bottom _____</p> |
|---|--|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
|--|---|---|-----------------|--|----------------|--------------|------------------------------------|
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface | 12 1/4 | 8 5/8 | 20 | 266 | 60-40 poz | 165 | 2% gel 3% cc |
| | | | | | | | |
| | | | | | | | |
| PERFORATION RECORD | | | | Acid, Fracture, Shot, Cement Squeeze Record | | | |
| Shots Per Foot | Specify Footage of Each Interval Perforated | | | Depth | | | (Amount and Kind of Material Used) |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| TUBING RECORD | | | | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Date of First Production | | Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) | | | | | |
| dry | | | | | | | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity | | |

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____

FORMATION LOG TOPS

| <u>Formation</u> | <u>Depth</u> | <u>Datum Reference</u> | <u>Sea Level</u> |
|-------------------|--------------|------------------------|------------------|
| Stone Corral | 2622 | + | 160 |
| Base Stone Corral | 2654 | + | 128 |
| Severy Sand | 3751 | - | 969 |
| Topeka | 3778 | - | 996 |
| Deer Creek | 3833 | - | 1051 |
| Oread | 3877 | - | 1095 |
| Heebner | 3894 | - | 1112 |
| Toronto | 3923 | - | 1141 |
| Lansing | 3935 | - | 1153 |
| Lansing 'C' | 3963 | - | 1181 |
| Lansing 'D' | 3975 | - | 1193 |
| Lansing 'G' | 4013 | - | 1231 |
| Lansing 'H' | 4043 | - | 1261 |
| Lansing 'J' | 4080 | - | 1298 |
| Lansing 'K' | 4110 | - | 1328 |
| Base Kansas City | 4135 | - | 1353 |
| R.T.D. | 4160 | - | 1378 |
| L.T.D. | 4161 | - | 1379 |

MUD PROPERTIES

| | 3636 | 3895 | 4015 |
|--------|-------|-------|-------|
| Depth | 3636 | 3895 | 4015 |
| M.W. | 9.0 | 9.0 | 9.1 |
| Vis | 42 | 43 | 43 |
| Y.P. | 14 | 13 | 12 |
| G.S. | 11-28 | 13-31 | 11-29 |
| pH | 11.5 | 10.5 | 10.5 |
| W.L. | 9.2 | 8.4 | 9.2 |
| M.C. | 2 | 2 | 2 |
| Cl | 1050 | 1100 | 1200 |
| Ca | 10 | 10 | 10 |
| Sd | .25 | .25 | .5 |
| Solids | 4.95 | 4.95 | 5.7 |
| LCM | 0 | 0 | 0 |

DRILLSTEM TESTS

DST #1

Interval: 3950 - 3992

Times: 30" - 60" - 15" - 60"

Blows: Initial flow weak surface blow
Final Flow no blow

Recovery: 40' mud with few oil spots at tool

Pressures: IHP: 2084 IFP: 57 - 57
ISIP: 1362 FFP: 67 - 67
FSIP: 1353 FHP: 2046

Temperature: 110°F

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JUN 17 1991

CONSERVATION DIVISION
Wichita, Kansas

CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

ORIGINAL

DRILL-STEM TEST DATA

| | |
|--|--|
| Company <u>Asher Associates Inc.</u> | Test No. <u>1</u> |
| Well Name & Number <u>Sauvage #1</u> | Zone Tested <u>Kansas City C & D</u> |
| Company Address <u>7340 E. Caley Ave. #310, Englewood, Colo.</u> | Date <u>4-3-91</u> |
| Company Rep. <u>Jim Reeves</u> | Tester <u>Huck Smith</u> |
| Contractor <u>Golden Eagle Drlg.</u> | Elevation <u>2775 G.L.</u> |
| Location: Sec. <u>26</u> Twp. <u>3S</u> Rge. <u>29W</u> Co. <u>Decatur</u> State <u>Kan.</u> | Est. Feet of Pay _____ |

Recorder No. 13364 Type AK-1 Range 3825 PSI
 Recorder Depth 3984 Clock # 21123

(A) Initial Hydrostatic Mud 2084 PSI
 (B) First Initial Flow Pressure 57 PSI
 (C) First Final Flow Pressure 57 PSI
 (D) Initial Shut-in Pressure 1362 PSI
 (E) Second Initial Flow Pressure 67 PSI
 (F) Second Final Flow Pressure 67 PSI
 (G) Final Shut-in Pressure 1353 PSI
 (H) Final Hydrostatic Mud 2046 PSI

Temperature 110°
 Mud Weight 9.0 Viscosity 50
 Fluid Loss 8.4 c.c.
 Interval Tested 3950-3992
 Anchor Length 42'
 Top Packer Depth 3945
 Bottom Packer Depth 3950
 Total Depth 3992
 Drill Pipe Size 4½ EX.H.
 Wt. Pipe I. D. collars 2.25 Ft. Run 373
 Recovery-Total Feet 40

Recorder No. 13770 Type AK-1 Range 4200 PSI
 Recorder Depth 3987 Clock # 25559

Tool Open Before I.S.I. 30 Mins.
 Initial Shut-in 60 Mins.
 Flow Period 15 Mins.
 Final Shut-in 60 Mins.
 Top Choke Size 1" Hole Size 7 7/8"
 Bottom Choke Size 3/4" Rubber Size 6 3/4"
 Tool Open @ 11:15 A.M.
 Blow Remarks 1st open; Weak blow.
2nd open; No blow.

Recovered 40 Feet Of Mud w/a few oil spots in tool.

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

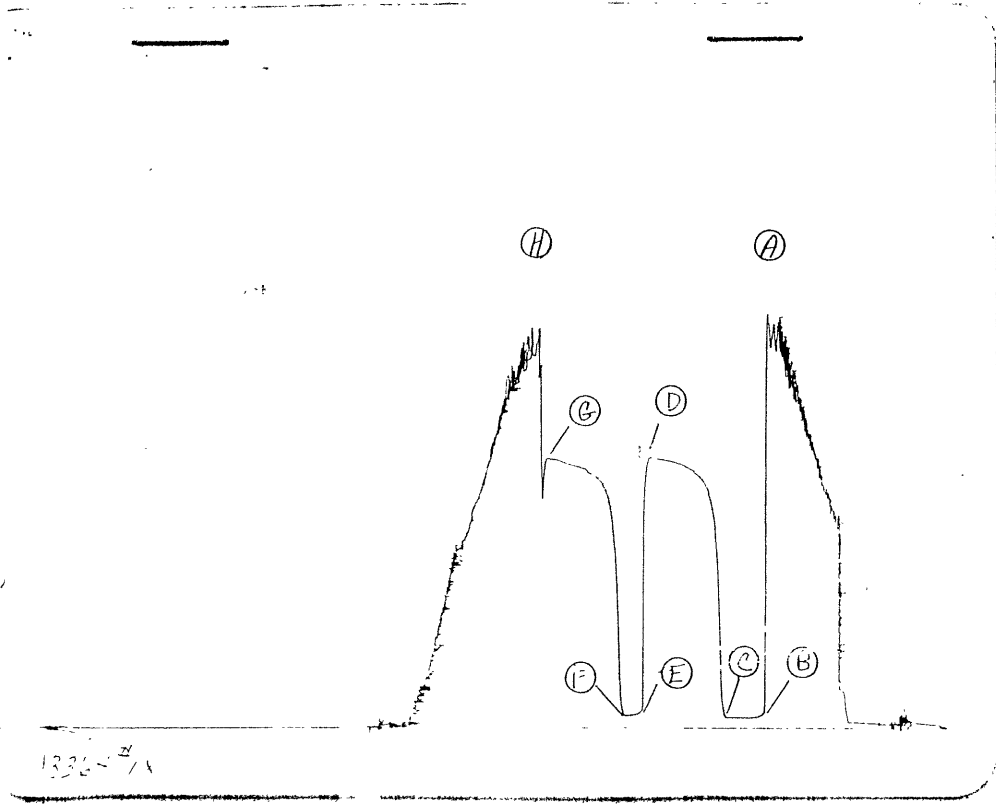
Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Recovered _____ Feet Of _____

Extra Equipment _____ Price of Job _____

ORIGINAL



| POINT | PRESSURE | | |
|----------------------------------|---------------|----------------|-----|
| | FIELD READING | OFFICE READING | |
| (A) Initial Hydrostatic Mud | 2084 | | PSI |
| (B) First Initial Flow Pressure | 57 | | PSI |
| (C) First Final Flow Pressure | 57 | | PSI |
| (D) Initial Closed-in Pressure | 1362 | | PSI |
| (E) Second Initial Flow Pressure | 67 | | PSI |
| (F) Second Final Flow Pressure | 67 | | PSI |
| (G) Final Closed-in Pressure | 1353 | | PSI |
| (H) Final Hydrostatic Mud | 2046 | | PSI |