Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1324579

Form ACO-1
August 2013
**Form must be Typed**
**Form must be Signed**
**All blanks must be Filled**

# WELL COMPLETION FORM
## WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34170
Name: Sirius Energy Corp.
Address 1: 526 COUNTRY PL, SOUTH
Address 2:
City: ABILENE State: TX Zip: 79606 + 7032
Contact Person: Vernon Hermreck
Phone: ( 785 ) 4331670
CONTRACTOR: License # 99998
Name: COMPANY TOOLS
Wellsite Geologist: na
Purchaser: CVR

Designate Type of Completion:

☐ New Well ☐ Re-Entry ☑ Workover

☑ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☐ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator: Sirius Energy Corp.
Well Name: Sartin #16
Original Comp. Date: 02/11/1980 Original Total Depth: 303

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☑ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

| 11/01/2016 | | 11/01/2016 |
|---|---|---|
| Spud Date or Recompletion Date | Date Reached TD | Completion Date or Recompletion Date |

API No. 15 - 15-037-20470-00-01
Spot Description:
NE - SW - SW - SW Sec. 26 Twp. 30 S. R. 21 ☑ East ☐ West
500 Feet from ☐ North / ☑ South Line of Section
4755 Feet from ☑ East / ☐ West Line of Section

Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW

GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Crawford
Lease Name: SARTIN Well #: 16
Field Name:
Producing Formation: Skinner
Elevation: Ground: 856 Kelly Bushing: 0
Total Vertical Depth: 303 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 23 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 0
feet depth to: 23 w/ 5 sx cmt.

**Drilling Fluid Management Plan**
*(Data must be collected from the Reserve Pit)*

Chloride content: ppm Fluid volume: bbls
Dewatering method used:
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

**AFFIDAVIT**

I am the affiant and I hereby certify that 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.

Submitted Electronically

**KCC Office Use ONLY**

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☐ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
**ALT** ☐ I ☑ II ☐ III **Approved by:** Karen Ritter **Date:** 12/12/2016

[redacted] 1324579

Operator Name: Sirius Energy Corp. Lease Name: SARTIN Well #: 16

Sec. 26 Twp. 30 S. R. 21 ☑ East ☐ West County: Crawford

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☐ Yes ☑ No
*(Attach Additional Sheets)*

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☐ Yes ☑ No

List All E. Logs Run:

☑ Log Formation (Top), Depth and Datum ☐ Sample

| Name | Top | Datum |
|---|---|---|
| Skinner | 171 | gl |

CASING RECORD ☐ New ☐ 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 | 9 | 7 | 20 | 23 | Portland | 5 | none |
| Production | 6.25 | 4.5 | 9 | 283 | Portland | 42 | prem gel |
| | | | | | | | |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
|---|---|---|---|---|
| ___ Perforate<br>___ Protect Casing<br>___ Plug Back TD<br>___ Plug Off Zone | - | | | |
| | - | | | |

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)* | Depth |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 11/01/2016

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)* _____

| 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 ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
170
181

| | |
|---|---|
| Form | ACO1 - Well Completion |
| Operator | Sirius Energy Corp. |
| Well Name | SARTIN 16 |
| Doc ID | 1324579 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Type and Percent Additives |
|---|---|---|---|---|---|---|---|
| Surface | 9 | 7 | 20 | 23 | Portland | 5 | none |
| Production | 6.25 | 4.5 | 9 | 283 | Portland | 42 | prem gel |
| | | | | | | | |
| | | | | | | | |

# CORNISH

WIRELINE SERVICES, INC.

Box 260

Chanute, Kansas

Phone 431-9308

## RADIOACTIVITY LOG

FILING NO. 9

COMPANY HICKORY CREEK OIL COMPANY

WELL SARTIN NO. 16

FIELD

COUNTY CRAWFORD STATE KANSAS

LOCATION: SW¼ SW¼

SEC. 26 TWP. 30S RGE. 21E

OTHER SERVICES:

PERMANENT DATUM: G.L. ELEV.

LOG MEASURED FROM G.L. FT. ABOVE PERM. DATUM

DRILLING MEASURED FROM G.L.

ELEV. K.B.

D.F.

G.L.

| | | |
|---|---|---|
| DATE | 2-15-80 | 2-15-80 |
| RUN NO. | 1 NW | 1 NW |
| TYPE LOG | GAMMA RAY | NEUTRON |
| DEPTH-DRILLER | 282.6' | 282.6' |
| DEPTH-LOGGER | 276.8' | 281.6' |
| BOTTOM LOGGED INTERVAL | 2.5' | 7.3' |
| TOP LOGGED INTERVAL | WATER | WATER |
| TYPE FLUID IN HOLE | | |
| SALINITY, PPM CL | | |
| DENSITY | | |
| LEVEL | FULL | FULL |
| MAX. REC. TEMP. DEG. F | | |
| OPERATING RIG TIME | | |
| RECORDED BY | CORNISH J. | CORNISH J. |
| WITNESSED BY | KONTIO D. | KONTIO D. |

BORE-HOLE RECORD

| RUN NO. | BIT FROM | TO |
|---|---|---|
| | | |

CASING RECORD

| SIZE | WGT. | FROM | TO |
|---|---|---|---|
| 4½" | | 0 | T.D. |

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

## EQUIPMENT DATA

### GAMMA RAY

| | | |
|---|---|---|
| RUN NO. | 1 NW | |
| TOOL MODEL NO. | 9205 | |
| DIAMETER | 1-11/16" | |
| DETECTOR MODEL NO. | 95SC | |
| TYPE | SCINT. | |
| LENGTH | 1"x4" | |
| DISTANCE TO N. SOURCE | 8.5' | |

### GENERAL

| | | |
|---|---|---|
| HOIST TRUCK NO. | 3246 | |
| INSTRUMENT TRUCK NO. | 3246 | |
| TOOL SERIAL NO. | 04 | |

### NEUTRON

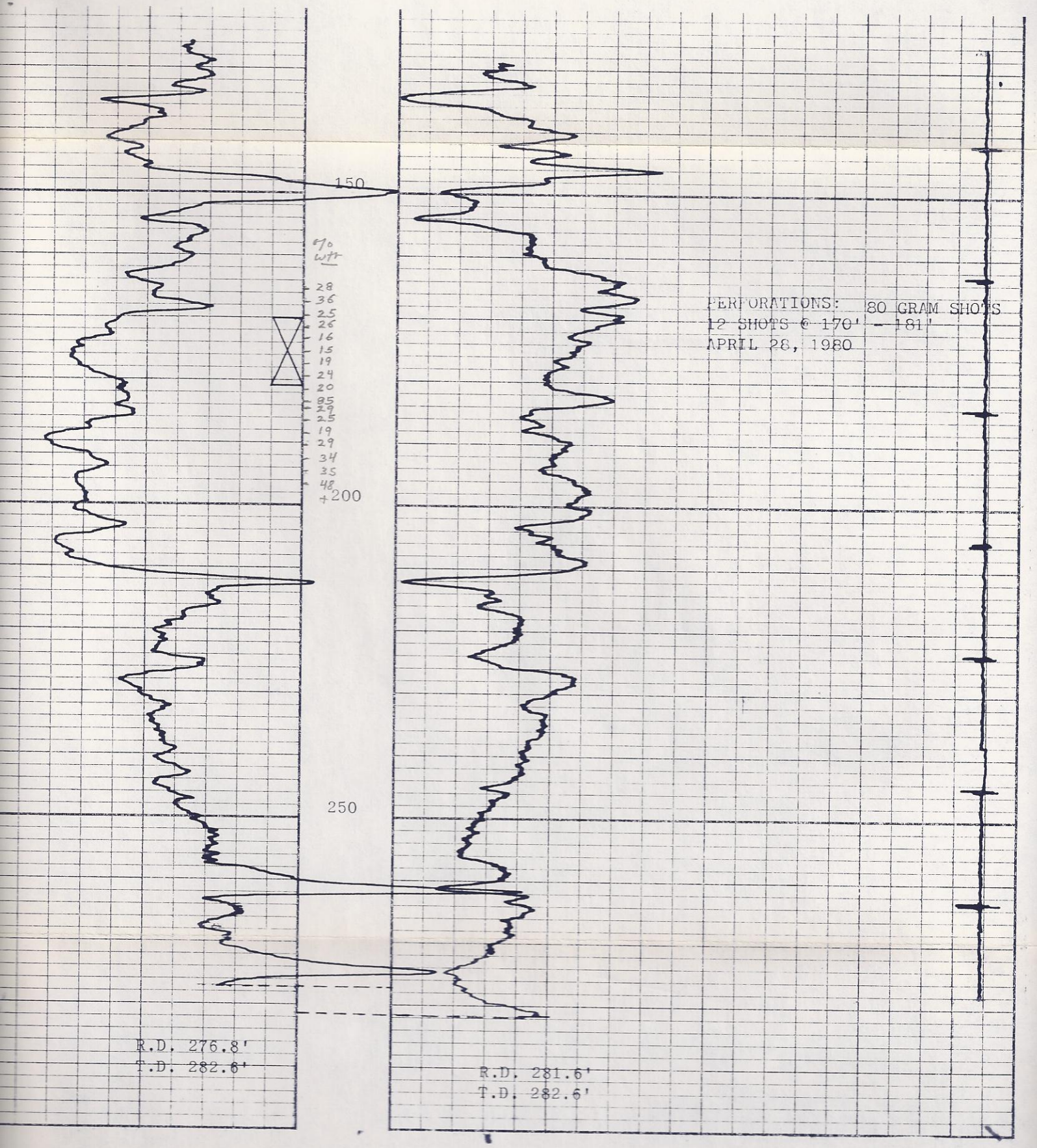
| | | |
|---|---|---|
| RUN NO. | 1 NW | |
| LOG TYPE | NEU/NEU | |
| TOOL MODEL NO. | 9205 | |
| DIAMETER | 1-11/16" | |
| DETECTOR MODEL NO. | 95HE | |
| TYPE | $He_3$ | |
| LENGTH | 1"x6" | |
| SOURCE MODEL NO. | AC | |
| SERIAL NO. | MRC415 | |
| SPACING | 13" | |
| TYPE | Am/Be | |
| STRENGTH | $5.7x10^6$ | |

## LOGGING DATA

| RUN NO. | GENERAL DEPTHS FROM | GENERAL DEPTHS TO | GENERAL SPEED FT./MIN. | GAMMA RAY T.C. SEC. | GAMMA RAY SENS. SETTINGS | GAMMA RAY ZERO DIV. L OR R | GAMMA RAY API G.R. UNITS PER LOG DIV. | NEUTRON T.C. SEC. | NEUTRON SENS. SETTINGS | NEUTRON ZERO DIV. L OR R | NEUTRON API N. UNITS PER LOG DIV. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 281.6' | 2.5' | 20 | 2.0 | 0-8.7 | 1L | | 2.0 | 0-3.4 | 5L | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

REFERENCE LITERATURE

REMARKS DRILLING CONTRACTOR: LAMPAMCO




SARTIN NO. 16

HICKORY CREEK OIL COMPANY

CRAWFORD COUNTY, KANSAS

FEBRUARY 15, 1980

1/10/85

KANSAS

# WELL COMPLETION REPORT AND DRILLER'S LOG

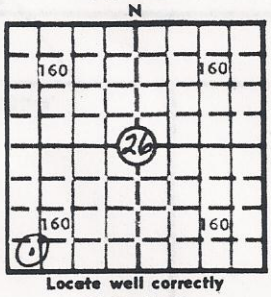
API No. 15 — 037 (County) — 20,470 (Number)

S. 26 T. 30 R. 21 E/W

Loc. SW SW

County Crawford

640 Acres




Locate well correctly

Elev.: Gr. 849.40'

DF _____ KB _____

Operator: Hickory Creek Oil Co.

Address: P. O. Box 379 Parsons, Kansas 67357

| Well No. | Lease Name |
|---|---|
| #16 | Sartin |

Footage Location: 500 feet from (N) (S) line 525 feet from (E) (W) line

| Principal Contractor | Geologist |
|---|---|
| Lamampco Drilling | C. R. Robinson |

| Spud Date | Date Completed | Total Depth | P.B.T.D. |
|---|---|---|---|
| 2/07/80 | 2/11/80 | 303' | |

Directional Deviation:

Oil and/or Gas Purchaser: Eureka Crude Purchasing

## CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

| Purpose of string | Size hole drilled | Size casing set (in O.D.) | Weight lbs/ft. | Setting depth | Type cement | Sacks | Type and percent additives |
|---|---|---|---|---|---|---|---|
| surface | 9" | 7" | 20 lbs. | 23' | portland | five | none |
| production | 6¼" | 4½" | 9 lbs. | 283' | portland A | 42 | prem gel (1 sk) |
| | | | | | | | |
| | | | | | | | |

## LINER RECORD

| Top, ft. | Bottom, ft. | Sacks cement |
|---|---|---|
| | | |

## TUBING RECORD

| Size | Setting depth | Packer set at |
|---|---|---|
| | | |

## PERFORATION RECORD

| Shots per ft. | Size & type | Depth interval |
|---|---|---|
| 1 | 80 q | 170 - 181 |
| | | |

## ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

| Amount and kind of material used | Depth interval treated |
|---|---|
| Versigel frac w/3500 lb 10/20 sand | 170 - 181 |
| | |
| | |

## INITIAL PRODUCTION

| Date of first production | Producing method (flowing, pumping, gas lift, etc.) |
|---|---|
| | |

| RATE OF PRODUCTION PER 24 HOURS | Oil | Gas | Water | Gas-oil ratio |
|---|---|---|---|---|
| | bbls. | MCF | bbls. | CFPB |

Disposition of gas (vented, used on lease or sold):

Producing interval(s):

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

| Operator | DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: |
|---|---|
| Hickory Creek Oil Company | |
| **Well No.** 16 — **Lease Name** Sartin | |
| S 26 T 30 R 21 E/W — SW SW | |

## WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

| FORMATION DESCRIPTION, CONTENTS, ETC. | TOP | BOTTOM | NAME | DEPTH |
|---|---|---|---|---|
| Soil | 0 | 2 | | |
| Clay | 2 | 15 | | |
| Sand & Gravel | 15 | 19 | | |
| Lime | 19 | 28 | | |
| Shale | 28 | 34 | | |
| Lime | 34 | 46 | | |
| Shale | 46 | 72 | | |
| Lime | 72 | 73 | | |
| Shale | 73 | 147 | | |
| Lime | 147 | 148 | | |
| Shale | 148 | 164 | | |
| Sand | 164 | 220 | | |
| Shale | 220 | 250 | | |
| Lime | 250 | 251 | | |
| Shale | 251 | 283 | | |
| Shale | 283 | 303 | | |

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

| Date Received | |
|---|---|
| | Signature |
| | General Manager |
| | Title |
| | Date |