

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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.

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum |
|--|---|

| 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 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| ADDITIONAL CEMENTING / SQUEEZE RECORD | | | | |
|--|------------------|----------------|--------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone | | | | |
| | | | | |

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

| | | | | | |
|---|--|---------|-------------|---------------|---------|
| Date of first Production/Injection or Resumed Production/Injection: | Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ | | | | |
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |

| | | |
|---|--|------------------------------------|
| DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> | PRODUCTION INTERVAL: Top Bottom |
|---|--|------------------------------------|

| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i> |
|----------------|-----------------|--------------------|------------------|--------------------|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | | |
|----------------|-------|---------|------------|--|
| TUBING RECORD: | Size: | Set At: | Packer At: | |
|----------------|-------|---------|------------|--|

| | |
|-----------|--------------------------|
| Form | ACO1 - Well Completion |
| Operator | Raydon Exploration, Inc. |
| Well Name | ROCK 2-27 |
| Doc ID | 1489125 |

All Electric Logs Run

| |
|--|
| |
| Microlog |
| Spectral Density Dual Spaced Neutron Log |
| Array Compensated True Resistivity Log |
| Borehole Compensated Sonic Log |



Liberal Yard #1717 - Phone 620-624-2277 - 1700 S. Country Estates Road, Liberal KS 67901

PRESSURE PUMPING

Job Log

| | | | | | | | | |
|--|-----------------------------|--|--------------------|----------------------------|-----------------------|-----------------------|--|------------------|
| Customer: | Raydon Exploration Inc | | Cement Pump No.: | 38117, 10919 11Hrs. | | Operator TRK No.: | 98816 | |
| Address: | 1601 NW Expressway STE 1300 | | Ticket #: | 1718 19668 L | | Bulk TRK No.: | 30464, 37547 Oscar | 14354, 19808 Sam |
| City, State, Zip: | Oklahoma City Ok 73118 | | Job Type: | Z-42 Cement Surface Casing | | | | |
| Service District: | 1718 - Liberal, Ks. | | Well Type: | OIL | | | | |
| Well Name and No.: | Rock #2-27 | | Well Location: | 27-33S=31W | County: | Seward | State: | Kansas |
| Type of Cmt | Sacks | Additives | | | Truck Loaded On | | | |
| A-Con Blend | 400 | 3% Calcium Chloride, 1/4# Polyflake, 0.2%WCA-1 | | | 30464, 37547 Oscar | | Front | Back |
| Class C | 150 | | | | 14354, 19808 Sam | | Front | Back |
| Class C | 150 | 2% Calcium Chloride | | | 14354, 19808 | | Front | Back |
| Lead/Tail: | Weight #1 Gal. | Cu/Ft/sk | Water Requirements | | CU. FT. | Man Hours / Personnel | | |
| Lead: | 11.4 | 2.95 | 18.1 | | 1180 | TT Man Hours: | 60 | |
| Tail: | 14.6 | 1.39 | 6.65 | | 208.5 | # of Men on Job: | 3 | |
| Time (am/pm) | (BPM) | Volume (BBLS) | Pumps | | Pressure(PSI) | | Description of Operation and Materials | |
| | | | T | C | Tubing | Casing | | |
| 15:45 | | | | | | | ON LOCATION & SAFETY MEETING | |
| 16:00 | | | | | | | RIG UP | |
| 9:18 PM | | | | | | | RIG TO CIRCULATE | |
| 9:58 PM | | | | | | | RIG TO PT | |
| 9:59 PM | | | | | | | PRESSURE TEST TO 1540PSI | |
| 22:02 | 4.5 | 210.1 slurry | | | | 170 | PUMP 400SX LEAD @ 11.4# | |
| 22:56 | 4.3 | 37.1 slurry | | | | 80 | PUMP 150SX TAIL @ 14.6# | |
| 11:12 PM | | | | | | | SHUTDOWN / DROP PLUG | |
| 23:15 | 4.5 | 10 | | | | 60 | DISPLACE | |
| | 4.5 | 20 | | | | 90 | | |
| | 4.4 | 30 | | | | 130 | | |
| | 4.4 | 40 | | | | 160 | | |
| | 4.4 | 50 | | | | 190 | | |
| | 4.4 | 60 | | | | 250 | | |
| | 4.3 | 70 | | | | 290 | | |
| 23:37 | 4.3 | 80 | | | | 330 | SHUTDOWN / STAGE 20MINUTES | |
| 0:04 | 3 | 90 | | | | 370 | SHUTDOWN / STAGE 20 MINUTES | |
| 0:31 | 2 | 101.7 | | | | 370 | LAND PLUG / PRESSURE UP TO 640PSI | |
| 0:33 | | | | | | | RELEASE BACK --- FLOAT HELD | |
| 0:35 | | | | | | | RUN IN 1" TB TO 150' | |
| 1:13 | | 7 | | | | | PUMP TB CLEAR W/ 7BBL & CIRCULATE | |
| 1:30 | 1.9 | 42.4 slurry | | | | 190 | PUMP 150SX @ 13.8# / CEMENT TO SURFACE | |
| 1:57 | | | | | | | SHUTDOWN / JOB COMPLETE | |
| Size Hole | 12 1/4" | Depth | | | TYPE | Plug Container | | |
| Size & Wt. Csg. | 8 5/8" 24# | Depth | 1641' | New / Used | Packer | Depth | | |
| Landing Press. | 325.9psi | Depth | | | Retainer | Depth | | |
| Shoe JI. | 41' | Type | | | Tubing 1" | 150' | CIBP | |
| Customer Signature: <i>[Signature]</i> | | | | | Basic Representative: | | Daniel Beck | |
| | | | | | Basic Signature: | | <i>[Signature]</i> | |
| | | | | | Date of Service: | | 9/21/2019 | |



Company: Raydon Exploration, Inc

Lease: Rock #2-27

SEC: 27 TWN: 33S RNG: 31W
County: SEWARD
State: Kansas
Drilling Contractor: Quest Drilling Services, LLC - Rig 102
Elevation: 2733 GL
Field Name: Kismet
Pool: WILDCAT
Job Number: 386
API #: 15-175-22271-00-00

Operation:
Test Complete

DATE
September
30
2019

DST #1 **Formation:** Morrow/Chester **Test Interval:** 5702 - 5730' **Total Depth:** 5730'
Time On: 05:44 09/30 Time Off: 13:21 09/30
Time On Bottom: 00:00 01/01 Time Off Bottom: 00:00 01/01

Electronic Volume Estimate:
0'

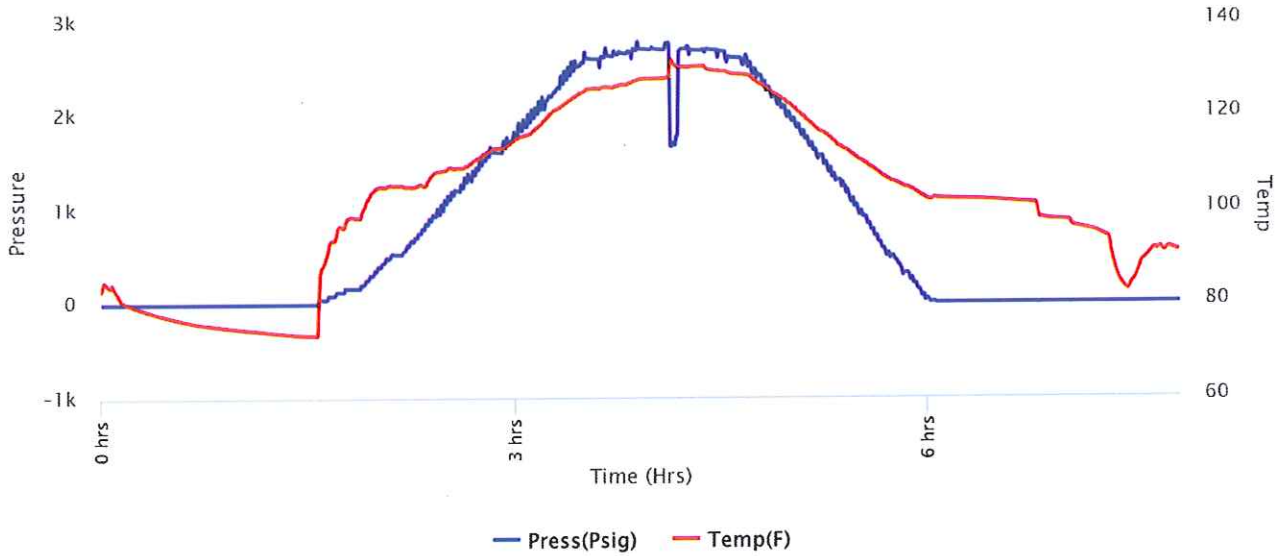
1st Open
N/A

1st Close
N/A

2nd Open
N/A

2nd Close
N/A

Inside Recorder





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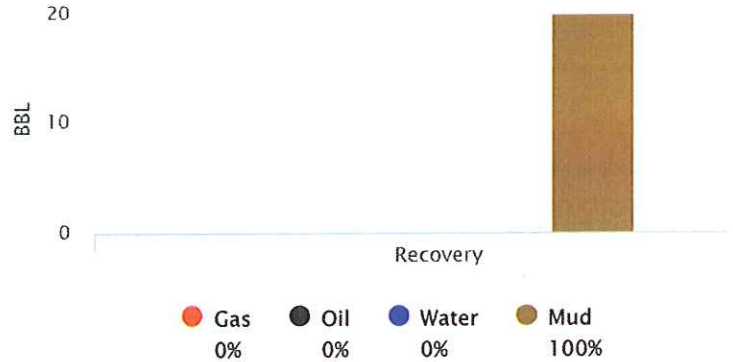
Recovered

| Foot | BBLs | Description of Fluid | Gas % | Oil % | Water % | Mud % |
|------|-----------|----------------------|-------|-------|---------|-------|
| 1635 | 19.974034 | M | 0 | 0 | 0 | 100 |

Total Recovered: 1635 ft
 Total Barrels Recovered: 19.974034

Reversed Out
 NO

Recovery at a glance



| | | |
|---|-----|-----|
| Initial Hydrostatic Pressure | 0 | PSI |
| Initial Flow | 0 | PSI |
| Initial Closed in Pressure | 0 | PSI |
| Final Flow Pressure | 0 | PSI |
| Final Closed in Pressure | 0 | PSI |
| Final Hydrostatic Pressure | 0 | PSI |
| Temperature | 0 | °F |
| Pressure Change Initial Close / Final Close | 0.0 | % |

GIP cubic foot volume: 0



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DST #1

**Formation:
Morrow/Chester**

**Test Interval: 5702 -
5730' Total Depth: 5730'**

Time On: 05:44 09/30

Time Off: 13:21 09/30

Time On Bottom: 00:00 01/01

Time Off Bottom: 00:00 01/01

BUCKET MEASUREMENT:

1st Open: N/A

1st Close: N/A

2nd Open: N/A

2nd Close: N/A

REMARKS:

PACKER FAILURE!

Tool Sample: 0% Gas 0% Oil 0% Water 100% Mud



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DATE
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DST #1 **Formation:** **Test Interval:** 5702 - **Total Depth:** 5730'
Morrow/Chester 5730'
Time On: 05:44 09/30 Time Off: 13:21 09/30
Time On Bottom: 00:00 01/01 Time Off Bottom: 00:00 01/01

Down Hole Makeup

Heads Up: 9.53000000000003 FT **Packer 1:** 5696.5 FT
Drill Pipe: 5324.86 FT **Packer 2:** 5702 FT
ID-3 1/2 **Top Recorder:** 5685.92 FT
Weight Pipe: 0 FT **Bottom Recorder:** 5704 FT
ID-2 7/8 **Well Bore Size:** 7 7/8
Collars: 353.60 FT **Surface Choke:** 1"
ID-2 1/4 **Bottom Choke:** 5/8"
Test Tool: 34.07 FT
ID-3 1/2-FH
Jars
Safety Joint

Total Anchor: 28

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 0 FT
4 1/2-FH

Change Over: 0 FT

Drill Pipe: (in anchor): 0 FT
ID-3 1/2

Change Over: 0 FT

Perforations: (below): 27 FT
4 1/2-FH



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|---------------|-------------------------------------|---------------------------------------|---------------------------|
| DST #1 | Formation: Morrow/Chester | Test Interval: 5702 - 5730' | Total Depth: 5730' |
| | Time On: 05:44 09/30 | Time Off: 13:21 09/30 | |
| | Time On Bottom: 00:00 01/01 | Time Off Bottom: 00:00 01/01 | |

Mud Properties

Mud Type: Chemical **Weight:** 8.9 **Viscosity:** 50 **Filtrate:** 6.0 **Chlorides:** 2,000 ppm

INVOICE

| | |
|-----------|-----------|
| Date | Invoice # |
| 9/11/2019 | 13171 |

| |
|--|
| Bill To |
| Raydon Exploration % Crown Consulting P.O. Box 1618 Liberal, KS 67905 |

| | | | | | |
|-------------------|-------------|--------|--------------|------------|-------------------|
| Legal Description | Ordered By | Terms | Field Ticket | Lease Name | Drill Rig |
| SE Kismet, KS | Clint/Oscar | Net 30 | 9567 | Rock 2-27 | Tomcat3/Quest 102 |

| Item | Quantity | Description | Rate | Amount |
|---------------|----------|---|--------|-----------|
| Conductor | 46 | Drilled 46' of 30" hole for conductor | 40.00 | 1,840.00 |
| 20" Pipe | 46 | Furnished 46' of 20" conductor pipe | 30.00 | 1,380.00T |
| Conductor | 30 | Drilled 30' of 20" Rathole | 20.00 | 600.00 |
| 15"X 30' | 1 | Furnished 30' x 15" Shuck | 600.00 | 600.00T |
| Conductor | 20 | Drilled 20' of 20" Mouse hole | 20.00 | 400.00 |
| 15"X 20' | 1 | Furnished 20' x 15" Shuck | 400.00 | 400.00T |
| Ream Hole | 6 | Drilled 6' x 76" Ream Hole | 75.00 | 450.00 |
| 72" X 6' | 6 | Furnished 6' X 6' tinhorn | 75.00 | 450.00T |
| Dirt Removal | 1 | Provided Labor and Equipment for dirt removal and cleanup | 500.00 | 500.00 |
| Grout | 4.5 | Furnished grout | 200.00 | 900.00T |
| Deliver Grout | 1 | Deliver grout to location | 400.00 | 400.00 |
| Cover Plate | 1 | Cover Plate | 30.00 | 30.00T |
| Barrier Fence | 1 | Provided and Set Barrier Fence | 75.00 | 75.00T |

| | | |
|------------------------------|--------------------------|------------|
| Thank you for your business. | Subtotal | \$8,025.00 |
| | Sales Tax (7.75%) | \$297.21 |
| | Total | \$8,322.21 |