

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
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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
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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:	
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Form	ACO1 - Well Completion
Operator	Vincent Oil Corporation
Well Name	MORPHEW 1-WSW
Doc ID	1377710

Tops

Name	Top	Datum
Base Cheyenne	1322	(+891)
Cedar Hills Sand	1344	(+869)
Base Cedar Hills Sand	1550	(+663)
Anhydrite	1802	(+411)
Topeka	3204	(-991)
Lower Deer Creek	3254	(-1041)
Oread	3368	(-1155)
Heebner	3414	(-1201)
Lansing	3454	(-1241)
PBTD	3630	(-1417)

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Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
2	3527	3534			
3	3507	3510			
3	3488	3494			Isolated LKC perfs with tubing & packer, acidized with 1000 gal 15% MCA
2	3387	3400			
2	3368	3377			Isolated Oread perfs with tubing & packer, acidized with 1250 gal 15% MCA
2	3277	3288			Isolated Lwr Deer Creek perfs with tubing & packer, acidized with 750 gal 15% MCA
					Swab tested LKC, Oread & Lwr Deer Creek perfs individually

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Perforations

Shots Per Foot	Perforation Top	Perforation Bottom	BridgePlugType	BridgePlugSet At	Material Record
					Swab tested all zones together at 29.5 bbls / hr with FL steady at 2350'
					Ran 2.8750' production tubing, set at 3615', ran rods, waiting on surface equipment & leadlines (9/21/2017)
					Surface equipment and leadlines installed, turned well to production as WSW, IP 350 BWPD

Vincent Oil Corporation
Morphew #1 WSW (OWWO)
2310' FNL & 2287' FWL 33-7-22W
Graham Co., Kansas
API # 15-065-00289-00-01
Comp: 11/8/2017

Was: D.G. Hansen
Morphew #1
SE-SE-NW 33-7-22W
Graham Co., Kansas
API # 15-065-00289-00-00
Comp:10/8/1952

Cementing information from KCC Conservation Agents Plugging Report (10/8/1952) with additional information from Cement Bond log ran on 9/13/2017.

8.6250" surface casing set at 153' - Cement circulated to surface *(Estimate 125 sx of Cement) RTD at 3793'.

5.5" production casing set at 3783' and cemented with 150 sx cement. *(Top of cement for primary stage at 2840' by Bond log - 9/13/2017).
PBTD at 3630'

Original Plugging information: (10/8/1952)

Perforated and Squeezed with 600 sx -- depth unknown.

Perforated and Squeezed with 650 sx at 1800' with cement circulated to surface in 5.5" annulus. *(Bond log ran 9/13/2017 shows 2nd stage perforations actually at 1609' with cement coverage to within 54' of surface on the backside of 5.5" casing. Fluid level in casing at 54' resulting in no bond log signal above this point.)

Tied on to the 5.5" casing and pumped 40 sx of gel and loaded the casing. Tied on to 5.5" casing and pumped 50 sx of cement, top plug 400' to surface. Original plugging completed 10/8/1952.

Summary of re-entry operations by Vincent Oil Corporation. (Spud 9/5/2017)

Spud in re-entry into 5.5" casing, drilled cement & miscellaneous debris from surface to 120'. At 120' started drilling on hard clean cement. Drilled on hard clean cement to depth of 876' when bit drilled out of cement. Ran ahead to depth of 1175' when stopped by obstruction. Worked drill string ahead to depth of 1190' and encountered heavy balled drilling mud. Drilled on hard dried drilling mud to original plug back depth of 3630'.

Pressure tested 5.5" casing to 310#. Ran bond log (9/13/2017) and found top of primary cement stage at 2940'. Verified 2nd stage cementing from 1609' to surface. Correlated bond log with original open hole log and perforated zones for water supply. New perforations: LKC 3527' to 3534' (2 SPF); 3507' to 3510' (3 SPF); and 3488' to 3494' (3 SPF); Oread 3387' to 3400' (2 SPF); and 3368' to 3377' (2SPF); Lower Deer Creek 3277' to 3288' (2 SPF). Acidized and swab tested water supply zones. Ran tubing and rods, waiting on surface equipment and leadlines (9/21/2017). Surface equipment and leadlines installed, turned well to production as Water Supply Well (WSW) with initial production rate of 350 BWPD (11/8/2017).

DISTRICT CONSERVATION AGENT'S REPORT

TO:

State Corporation Commission
Conservation Division
800 Bitting Building
Wichita, Kansas

FILE NO. _____

LOCATION SE SE NW

SEC. 33 TWP. 7 RGE. 22

Dry Hole X Abandoned Oil Well _____ Abandoned Gas Well _____

I have today completed supervision of plugging of:

Well No. 1 Lease _____ Morphew _____

Operator D. G. Hansen Address Logan, Kans

Field _____ County Graham

Total Depth 3793 Feet.

(Describe briefly the manner in which the well was plugged)

8 5/8" at 153' circulated with cement - 5 1/2" at 3783'
with 150 sax cement, perforated and squeezed with 600 sax,
perforated and staxed with 650 sax at 1800' filling ~~with~~ 5 1/2"
annulus with cement to 0'.

Pumped in 40 sax Aquagel, filling hole with mud, pumped in
50 sax cement on top, filling 5 1/2" from 400' to 0' with
cement.

Mudding and Cementing by Halliburton Co

PLUGGING
FILE SEC 33 T 7 R 22
BOOK PAGE 57 LINE 8

10/10/52
RECEIVED
STATE CORPORATION COMMISSION
OCT 10 1952
CONSERVATION DIVISION
Wichita, Kansas

District Conservation Agent
Date 10-8-52