

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](mailto: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)</i> <i>(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>

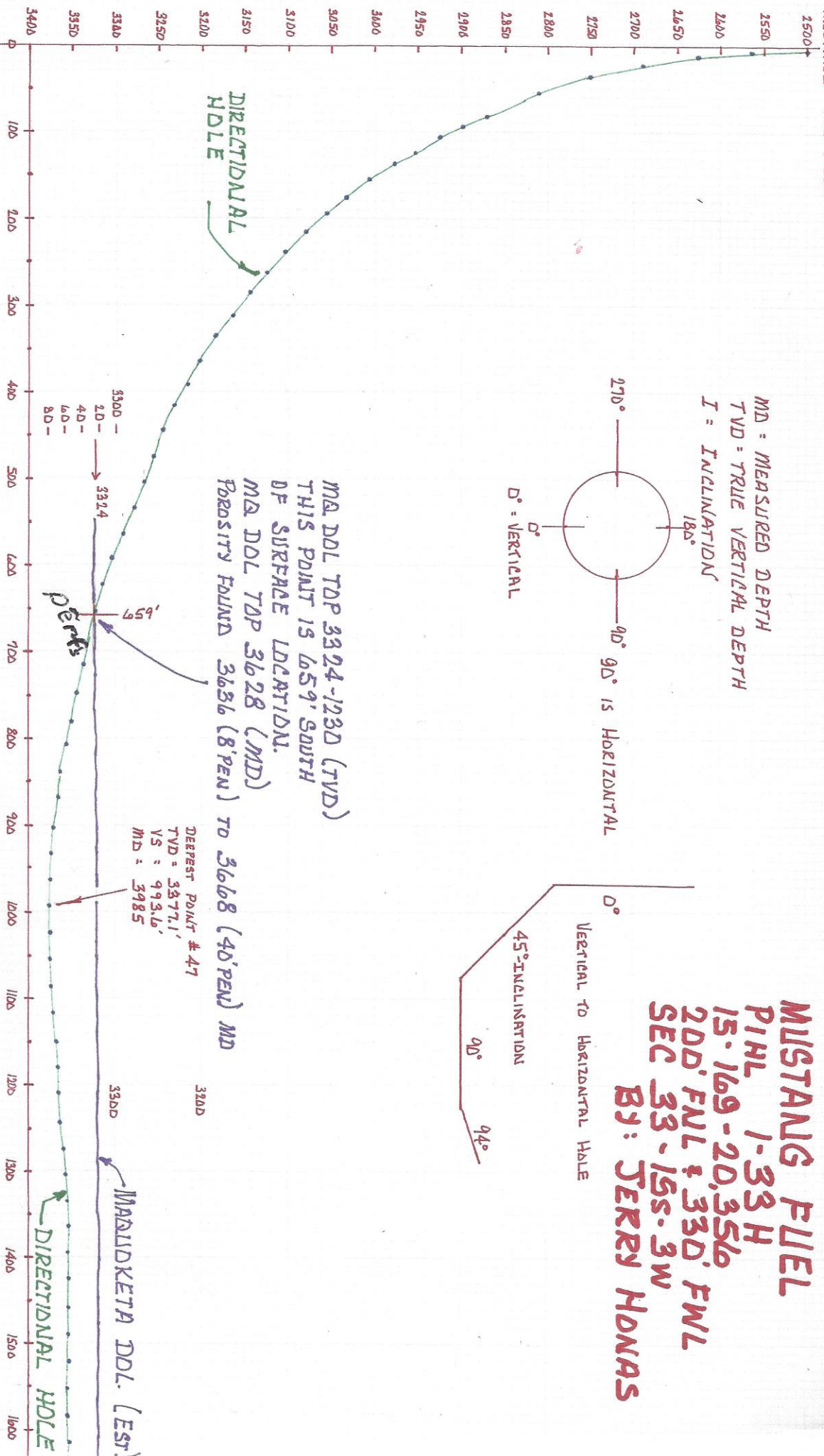
TUBING RECORD: Size: _____ Set At: _____ Packer At: _____
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Form	ACO1 - Well Completion
Operator	Sims, Don dba Don Sims Oil
Well Name	PIHL 1-33H
Doc ID	1423774

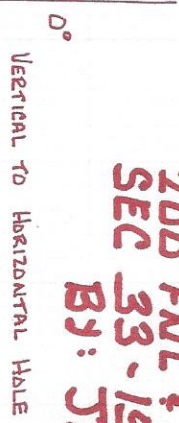
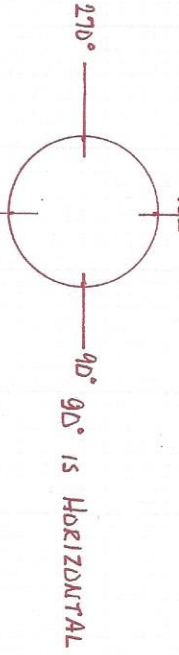
Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	14.75	13.375	54.50	160	CLASS A	80	2
Surface	12.25	9.625	36	473	CLASS A	260	2
Intermediate	8.75	7	23	3690	CLASS A	175	10
Production	6.125	4.5	11.60	7842	H W	400	3

MUSTANG PHL #1-33H



MD = MEASURED DEPTH  
 TVD = TRUE VERTICAL DEPTH  
 I = INCLINATION



**MUSTANG FUEL**  
 PHL 1-33H  
 15-169-20, 356  
 200' FUL & 330' FWL  
 SEC 33-15S-3W  
 BY: JERRY HONAS

This well is perforated 659' South Southwest of the North line.



BOP West, LLC		Pihl #1-33 H	API #	15-169-20356
PAGE 1		200 FNL & 330 FWL Section 33-15S-3W Saline County, KS		
		Elevation	GL	1289
		KB	1301	
DATE				
03/23/18	Scott's well service finished preparing well and location for completion. Tubing spool was removed. A collar was welded on 4.5" casing. The 4.5" casing was pressured to 300 PSIG w/KCC witness to prove mechanical integrity. Weeds on location were mowed.			
03/26/18	<p>Moved in Scott's Well Service double drum. Unloaded 121 joints 2.375" tubing from Sunrise Supply. Ran bull plugged debris sub on bottom of 121 joints to allow circulation. Set bottom of tubing at 3815'. Elite Cementing and Acidizing pumped logging tool to TD. Ran Gamma Ray-Neutron Log. Correlated log to open hole log run while well was being drilled. Logged from MD 3808' to 2500'. TOOH with tubing. Picked up tubing conveyed perforating gun and marker sub. Ran 115 joints of tubing and pumped Gamma-Ray collar log to 3600' Logged back and correlated marker sub to Gamma-Ray Neutron log. To get perf gun at correct depth, 10' of tubing subs were installed. Perf Maquoketa dolomite 24' w/ 4 shots/foot from MD 3638' to 3662'. Firing ball was dropped and pressured to 3200 PSIG. Gun fired successfully. Removed tubing subs and installed one additional joint of tubing to allow acid to be spotted on perfs. Elite circulated 12 barrels of acid followed by 3 barrels of water to get acid on perfs. Shut valve on annulus and pressured tubing to 1350 PSIG to get acid feeding. Treat @ .25 BPM @ 1200 PSIG. Increased rate to .86 BPM @ 1500 PSIG. Increased rate to 1.6 BPM @ 1600 PSIG. Over flushed 6 barrels. ISIP 600 PSIG, 5 min 100 PSIG. Released pressure. Total load 36 barrels. TOOH with tubing and perforating gun. Shut down for night.</p> <p>MD = measured depth, not true vertical depth (TVD)</p>			
03/27/18	<p>Swabbed casing to 3445'. No show of oil. Had shows of gas. Elite Cementing &amp; Acidizing Acidized with 1500 gallons of 15% NEFE acid down casing. Initial pumping rate 1.6 BPM @ 1100 PSIG. Increased rate to 6.4 BPM @ 1700 PSIG, then to 8.2 BPM @ 1700 PSIG. Pressure to 1800 PSIG then 2000 PSIG breaking back to 1800 PSIG. Started 25 barrel flush @ 8.5 BPM @ 1800 PSIG. ISIP 600 PSIG, 30 seconds 300 PSIG, 5 minutes 100 PSIG, 10 minutes 50 PSIG, 12.5 minutes on vacuum. Total load 121 barrels. Let acid soak for 1 hour. Emptied swab tank and started swabbing back acid load. Swabbed to 3400' in 1 hour 45 minutes. Recovered 57.02 barrels. Had shows of gas and oil. Shut down for 30 minutes. Ran swab with no fluid recovered. Changed swab cup and waited an additional hour. Recovered 30' of fluid 90+% oil. Installed V-cups and ran back in immediately. Recovered less than 30' of fluid that was 90+% water. Fluid recovered in 1.5 hours 1.17 barrels. Total fluid recovered 58.19 barrels. Load left to recover 62.81 barrels. Shut well in.</p>			
03/28/18	<p>Re-gauged swab tank. Had lost 3/4" due to gas bubbles dissipating. Yesterdays last swab run corrected for this change. Total recovery after acid job 58.19 barrels. 62.81 barrels of load to recover. Ran in hole with swab. Had 250' above last pull made yesterday. Swabbed down 3.06 barrels @ 48.5% oil. Waited 1 hour. Swabbed .58 barrels @ 18.3% oil. Shut well in. Rigged down double drum.</p>			