



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1115941  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

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       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: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- 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 #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
-----------------------------------	-----------------	---

API No. 15 - \_\_\_\_\_

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
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1115941

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  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				

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

Tug Hill Operating  
R.D.H. Trust # 1-19H  
Comanche County, Kansas  
Patterson 172



Minimum of Curvature  
Slot Location: 1462505.77', 1076500.88'  
Plane of Vertical Section: 180.37°

Measured Depth Feet	BORE Inc Degrees	HOLE Direction Degrees	True Vertical Depth Feet	RECTANGULAR COORDINATES		LAMBERT COORDINATES		Vertical Section Feet	CLOSURES		Dogleg Severity Deg/100'
				North(-South) Feet	East(-West) Feet	Y Feet	X Feet		Distance Feet	Direction Deg	
5921.00	89.00	179.20	5453.42	-767.76	-3.52	1461738.01	1076497.36	767.77	767.77	180.26	0.00
5974.00	89.20	179.70	5454.25	-820.75	-3.01	1461685.02	1076497.87	820.75	820.76	180.21	1.02
6066.00	88.70	181.00	5455.94	-912.73	-3.57	1461593.04	1076497.31	912.74	912.74	180.22	1.51
6158.00	91.20	182.70	5456.02	-1004.67	-6.54	1461501.10	1076494.34	1004.69	1004.69	180.37	3.29
6249.00	91.50	181.50	5453.87	-1095.58	-9.88	1461410.19	1076491.00	1095.63	1095.63	180.52	1.36
6341.00	90.60	180.80	5452.19	-1187.55	-11.72	1461318.22	1076489.16	1187.60	1187.61	180.57	1.24
6432.00	89.30	181.70	5452.27	-1278.52	-13.71	1461227.25	1076487.17	1278.59	1278.60	180.61	1.74
6524.00	86.80	178.90	5455.40	-1370.45	-14.19	1461135.32	1076486.69	1370.52	1370.53	180.59	4.08
6616.00	88.10	181.20	5459.49	-1462.35	-14.27	1461043.42	1076486.61	1462.42	1462.42	180.56	2.87
6707.00	89.20	179.00	5461.64	-1553.32	-14.43	1460952.45	1076486.45	1553.38	1553.39	180.53	2.70
6799.00	89.40	178.60	5462.76	-1645.29	-12.50	1460860.48	1076488.38	1645.34	1645.34	180.44	0.49
6891.00	89.70	178.30	5463.48	-1737.26	-10.02	1460768.51	1076490.86	1737.29	1737.29	180.33	0.46
6983.00	89.70	178.70	5463.97	-1829.22	-7.61	1460676.55	1076493.27	1829.24	1829.24	180.24	0.43
7074.00	89.70	179.30	5464.44	-1920.21	-6.02	1460585.56	1076494.86	1920.21	1920.22	180.18	0.66
7166.00	91.60	179.60	5463.40	-2012.19	-5.14	1460493.58	1076495.74	2012.19	2012.20	180.15	2.09
7260.00	89.30	180.00	5462.66	-2106.18	-4.81	1460399.59	1076496.07	2106.17	2106.19	180.13	2.48
7355.00	87.90	179.20	5464.98	-2201.15	-4.14	1460304.62	1076496.74	2201.13	2201.16	180.11	1.70
7450.00	89.30	179.90	5467.30	-2296.12	-3.40	1460209.65	1076497.48	2296.09	2296.12	180.08	1.65
7544.00	91.10	181.60	5466.97	-2390.10	-4.63	1460115.67	1076496.25	2390.08	2390.11	180.11	2.63
7638.00	87.50	180.80	5468.12	-2484.06	-6.60	1460021.71	1076494.28	2484.05	2484.07	180.15	3.92
7769.00	86.60	180.90	5474.86	-2614.87	-8.54	1459890.90	1076492.34	2614.87	2614.88	180.19	0.69
7861.00	88.60	180.30	5478.72	-2706.78	-9.50	1459798.99	1076491.38	2706.78	2706.79	180.20	2.27
7953.00	90.50	180.80	5479.44	-2798.77	-10.38	1459707.00	1076490.50	2798.77	2798.78	180.21	2.14
8044.00	89.20	182.50	5479.68	-2889.72	-13.00	1459616.05	1076487.88	2889.75	2889.75	180.26	2.35
8136.00	89.10	183.30	5481.04	-2981.59	-17.66	1459524.18	1076483.22	2981.65	2981.65	180.34	0.88
8228.00	89.00	183.70	5482.57	-3073.41	-23.27	1459432.36	1076477.61	3073.50	3073.50	180.43	0.45
8319.00	88.50	183.80	5484.55	-3164.19	-29.22	1459341.58	1076471.66	3164.31	3164.33	180.53	0.56

Tug Hill Operating  
R.D.H. Trust # 1-19H  
Comanche County, Kansas  
Patterson 172



Minimum of Curvature  
Slot Location: 1462505.77', 1076500.88'  
Plane of Vertical Section: 180.37°

Measured Depth Feet	BORE Inc Degrees	HOLE Direction Degrees	True Vertical Depth Feet	RECTANGULAR COORDINATES		LAMBERT COORDINATES		Vertical Section Feet	CLOSURES		Dogleg Severity Deg/100'
				North(-South) Feet	East(-West) Feet	Y Feet	X Feet		Distance Feet	Direction Deg	
8411.00	88.50	182.50	5486.96	-3256.02	-34.28	1459249.75	1076466.60	3256.17	3256.20	180.60	1.41
8502.00	88.00	179.70	5489.74	-3346.95	-36.02	1459158.82	1076464.86	3347.11	3347.14	180.62	3.12
8594.00	89.40	178.10	5491.83	-3438.91	-34.26	1459066.86	1076466.62	3439.05	3439.08	180.57	2.31
8686.00	91.30	178.80	5491.27	-3530.87	-31.77	1458974.90	1076469.11	3531.00	3531.01	180.52	2.20
8778.00	91.50	180.30	5489.02	-3622.83	-31.05	1458882.94	1076469.83	3622.96	3622.97	180.49	1.64
8869.00	89.50	181.40	5488.22	-3713.81	-32.40	1458791.96	1076468.48	3713.94	3713.95	180.50	2.51
8961.00	88.80	181.10	5489.59	-3805.78	-34.40	1458699.99	1076466.48	3805.92	3805.94	180.52	0.83
9053.00	88.50	179.70	5491.76	-3897.75	-35.05	1458608.02	1076465.83	3897.89	3897.91	180.52	1.56
9144.00	89.80	179.90	5493.11	-3988.74	-34.73	1458517.03	1076466.15	3988.88	3988.89	180.50	1.45
9281.00	89.90	180.00	5493.46	-4125.74	-34.61	1458380.03	1076466.27	4125.87	4125.88	180.48	0.10
9373.00	89.60	178.60	5493.87	-4217.73	-33.48	1458288.04	1076467.40	4217.85	4217.86	180.45	1.56
9465.00	88.90	179.20	5495.07	-4309.70	-31.72	1458196.07	1076469.16	4309.82	4309.82	180.42	1.00
9557.00	89.60	179.90	5496.27	-4401.69	-31.00	1458104.08	1076469.88	4401.80	4401.80	180.40	1.08
9648.00	90.70	180.30	5496.04	-4492.69	-31.15	1458013.08	1076469.73	4492.79	4492.79	180.40	1.29
9740.00	89.30	179.90	5496.04	-4584.68	-31.32	1457921.09	1076469.56	4584.79	4584.79	180.39	1.58
9832.00	88.80	180.50	5497.56	-4676.67	-31.64	1457829.10	1076469.24	4676.78	4676.78	180.39	0.85
9923.00	90.20	180.60	5498.36	-4767.66	-32.51	1457738.11	1076468.37	4767.77	4767.77	180.39	1.54
10015.00	89.20	180.30	5498.84	-4859.65	-33.23	1457646.12	1076467.65	4859.77	4859.77	180.39	1.13
10106.00	88.30	180.30	5500.82	-4950.63	-33.71	1457555.14	1076467.17	4950.75	4950.75	180.39	0.99
10198.00	88.20	180.30	5503.63	-5042.59	-34.19	1457463.18	1076466.69	5042.70	5042.70	180.39	0.11
10290.00	88.80	178.50	5506.04	-5134.55	-33.23	1457371.22	1076467.65	5134.65	5134.65	180.37	2.06

Final Station Closure Distance: 5134.65' Direction: 180.37°

# Tug Hill Operating

R.D.H. Trust # 1-19H  
Comanche County, Kansas

Patterson 172  
As Drilled Update #8



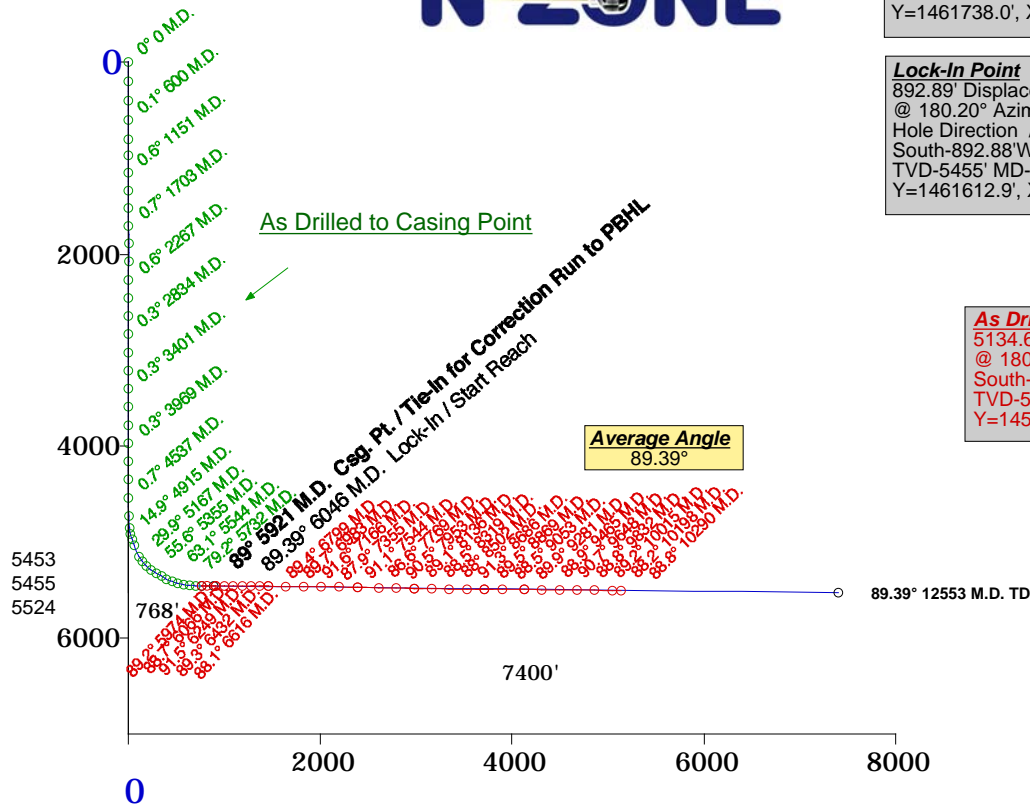
Horizontal Plan  
1" = 5000'



Surface Location  
Y=1462505.77'  
X=1076500.88'  
NAD 83

Vertical Section  
1" = 2000'

Plane of Proposal  
180.36° Azimuth

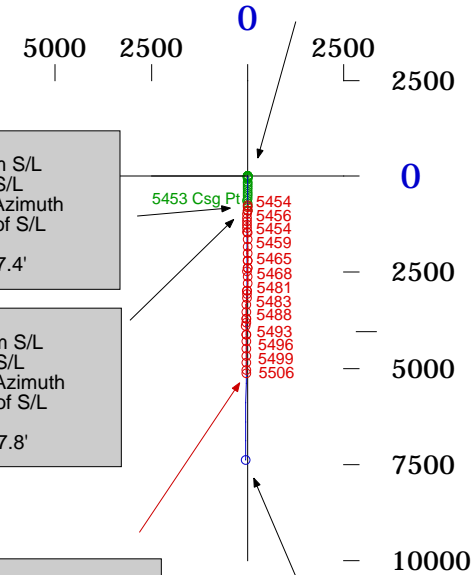


**Proposed Tie-In**  
767.77' Displacement from S/L  
@ 180.26° Azimuth from S/L  
Hole Direction / 179.20° Azimuth  
South-767.76' West-3.52' of S/L  
TVD-5453' MD-5921'  
Y=1461738.0', X=1076497.4'

**Lock-In Point**  
892.89' Displacement from S/L  
@ 180.20° Azimuth from S/L  
Hole Direction / 180.39° Azimuth  
South-892.88' West-3.07' of S/L  
TVD-5455' MD-6046'  
Y=1461612.9', X=1076497.8'

**As Drilled**  
5134.65' Displacement from S/L  
@ 180.37° Azimuth from S/L  
South-5134.55' West-33.23' of S/L  
TVD-5506' MD-10290'  
Y=1457371.22', X=1076467.65'

**Proposed BHL**  
7399.69' Displacement from S/L  
@ 180.36° Azimuth from S/L  
South-7399.54' West-47.13' of S/L  
TVD-5524' MD-12553'  
Y=1455106.2', X=1076453.7'



Well Name: RDH Trust 1-19H

Contractor/Rig: Patterson-UTI 421

State: KS

County: Comanche

**As Run**

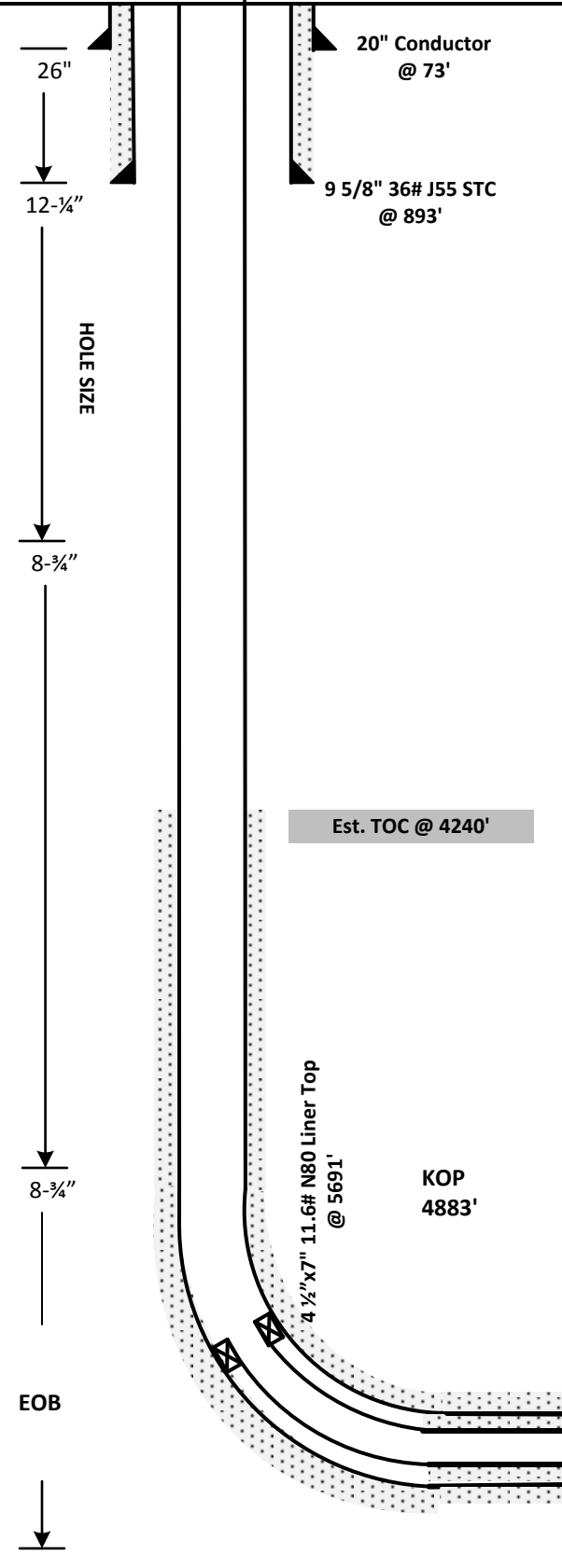
SHL: 200 FNL & 400 FEL

GL Elev: 1937 KB: 23 KB Elev:

BHL: 2310' FNL & 400' FEL of Sec30-T34-R18W

AFE: 12-0186

Permit/API Number: 15-033-21685-01-00



**Tubular Details**

	20"	9 5/8"	7"	4-1/2"
Weight	94 lb/ft	36 lb/ft	26 lb/ft	15.10 lb/ft
Grade	X-42	J-55	P-110	N-80
Burst	3590 psi	3520 psi	9960 psi	10480 psi
Collapse	NA	2020 psi	6230 psi	11080 psi
Wall Thickness	0.438"	0.352"	0.724"	0.337"
ID	19.124"	8.921"	6.276"	3.826"
Setting Depth	73'	893'	5957'	10133'

**Cement Details**

Interval	Company	Excess	Est. Vol
Surface			
Intermediate			
Production Lead			
Production Tail			

See attachments for slurry details

4 1/2" 11.6# N80 LTC at 10133'

TD @ 10333'



# ALLIED OIL & GAS SERVICES, LLC 059679

Federal Tax I.D.# 20-5976004

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:  
*Medicine Lake, KS*

DATE <i>1-4-2018</i>	SEC <i>19</i>	TWP. <i>34S</i>	RANGE <i>18W</i>	CALLED OUT	ON LOCATION	JOB START <i>10:45</i>	JOB FINISH <i>11:45</i>
LEASE <i>PDH</i>	WELL # <i>1-19H</i>	LOCATION <i>Buttermilk #1 South</i>			COUNTY <i>Comanche</i>	STATE <i>KS</i>	
OLD OR (NEW) (Circle one)		<i>3/4 ess, South into</i>				AFF# <i>12-0186</i>	
						Code# <i>830.18</i>	

CONTRACTOR *Patterson #172*

TYPE OF JOB *Interior well*

HOLE SIZE *8 3/4* T.D. *5970*

CASINO SIZE *7" 26#* DEPTH *5955'*

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT *42'*

CEMENT LEFT IN CSC. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT *228 bbl of Fresh Water*

EQUIPMENT

OWNER *TUG #111*

CEMENT AMOUNT ORDERED *225 cu. Class A*

*5% SS1 + 2% Gel + .3% FL160 + Deformers*

COMMON <i>Class A 225</i>	@ <i>27.90</i>	<i>4022.50</i>
POZMIX	@	
GEL <i>45y</i>	@ <i>23.40</i>	<i>936.00</i>
CHLORIDE	@	
ASC	@	
<i>SS12 15y</i>	@ <i>26.45</i>	<i>158.10</i>
<i>FL160 63#</i>	@ <i>18.80</i>	<i>1,182.20</i>
<i>Deformers Deformers 31#</i>	@ <i>9.80</i>	<i>303.80</i>
<i>Super Plus 12 bbl</i>	@ <i>56.70</i>	<i>704.40</i>
	@	
	@	
	@	
	@	
HANDLING <i>243 cu ft</i>	@ <i>2.48</i>	<i>602.64</i>
MILEAGE <i>366.50 round</i>	@ <i>2.60</i>	<i>952.90</i>
TOTAL		<i>8,090.84</i>

PUMP TRUCK CEMENTER *Dustin F* *1*

# *558-555* HELPER *Scott P.* *2*

BULK TRUCK

# *561-553* DRIVER *Brendan D* *3*

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

*See cement log*

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

CHARGE TO: *Tug #111*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

*388.5*

SERVICE

DEPTH OF JOB *5955'*

PUMP TRUCK CHARGE *3,088.25*

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE *35* @ *7.20* *252.00*

MANIFOLD *Heel rental* @ \_\_\_\_\_

*Light Vehicle* *35* @ *4.40* *154.00*

TOTAL *3,522.25*

PLUG & FLOAT EQUIPMENT

*7"*

*1-Rubber plug* @ *98.45*

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL *98.45*

To: Allied Oil & Gas Services, LLC:

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Curtis Turner*

SIGNATURE *Curtis Turner*

*Thank you!!!*

SALES TAX (if Any) *414.38*

TOTAL CHARGES *11,988.07* *11,713.14*

DISCOUNT *35%* *4195.11* IF PAID IN 30 DAYS

*Net # 7,197.23* *4099.59* *7613.55* *Net*



# ALLIED OIL & GAS SERVICES, LLC 059712

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999  
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Medicine Lodge KS

DATE 01/13/13	SEC. 19	TWP. 24	RANGE 16	CALLLED OUT	ON LOCATION	JOB START 01/14/13	JOB FINISH 3:00 PM
LEASE RDH	WELL # 17-111	LOCATION Butternilk KS 1 South 24 East			COUNTY Comanche	STATE KS	
OLD OR (NEW) (Circle one)			South into + 25% Debris				

CONTRACTOR Buttner #172  
 TYPE OF JOB Production Line  
 HOLE SIZE TD 10130  
 CASINO SIZE 4 1/2 DEPTH 444  
 TUBING SIZE DEPTH  
 DRILL PIPE 4 DEPTH 568  
 TOOL DEPTH  
 PRES. MAX. 380 MINIMUM  
 MEAS. LINE SHOE JOINT 45  
 CEMENT LEFT IN CSO. 45  
 PERFS.  
 DISPLACEMENT 119

OWNER Tag Hill 1-06 10.3  
 CEMENT  
 AMOUNT ORDERED 500cu 50:50 H + 2% GL  
10% Salt + 6% FL-160 + 1% CO-31 + 1%  
SA-51 + 25% Debris + 3% Kalcid

EQUIPMENT  
 PUMP TRUCK CEMENTER John Thacker 1  
#558-555 HELPER Scott Fiddie 2  
 BULK TRUCK  
#561-552 DRIVER James Bowen 3  
 BULK TRUCK  
 # DRIVER

COMMON			
POZMIX			
GEL			
CHLORIDE			
ASC			
50:50 P-2 Blend H	500cu	16.25	8425.00
Salt	35cu	36.25	1268.75
SA-51	421cu	17.55	7377.10
FL-160	252lbs	18.90	4762.80
CO-31	421cu	10.20	4326.60
Kalcid	1500lbs	0.98	1470.00
Debris	1251cu	9.80	1225.99
HANDLING	591.40 cu ft	2.48	1466.67
MILWAUB	226 to 1/2 mi	2.68	607.60
TOTAL			31325.52

REMARKS:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

CHARGE TO: Tag Hill  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

426. SERVICE

DEPTH OF JOB	10127	
PUMP TRUCK CHARGE		10230.11
EXTRA FOOTAGE		
MILEAGE	35mi	7.70
MANIFOLD		
L.V.	35mi	4.90
TOTAL		10653.61

AFF #12-0186  
 Code # 830.18  
 To: Allied Oil & Gas Services, LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT

TOTAL		

PRINTED NAME Justin Turner  
 SIGNATURE [Signature]

SALES TAX (if Any) 1615.80  
 TOTAL CHARGES 31979.13  
 DISCOUNT 226.119269 IF PAID IN 30 DAYS  
 Net 29786.44

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

February 13, 2013

Winnie Scott  
Tug Hill Operating, LLC  
550 BAILEY AVE, STE 510  
FT. WORTH, TX 76107

Re: ACO1  
API 15-033-21685-01-00  
RDH Trust 1-19H  
NE/4 Sec.19-34S-18W  
Comanche County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Winnie Scott