



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1107262
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
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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: _____



1107262

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
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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				

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

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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Tug Hill Operating LLC

Ness County, Kansas

Sec 32, T17S, R23W

Nichepor #1-32H

Original Wellbore

Survey: MWD Survey

Standard Survey Report

19 October, 2012



Company:	Tug Hill Operating LLC	Local Co-ordinate Reference:	Well Nichepor #1-32H
Project:	Ness County, Kansas	TVD Reference:	WELL @ 2367.0usft (Original Well Elev)
Site:	Sec 32, T17S, R23W	MD Reference:	WELL @ 2367.0usft (Original Well Elev)
Well:	Nichepor #1-32H	North Reference:	True
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellbore	Database:	EDM 5000.1 Single User Db

Project	Ness County, Kansas		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Kansas Southern Zone		

Site	Sec 32, T17S, R23W				
Site Position:		Northing:	1,991,401.37 usft	Latitude:	38° 31' 24.545 N
From:	Map	Easting:	916,495.95 usft	Longitude:	99° 53' 0.995 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.85 °

Well	Nichepor #1-32H					
Well Position	+N/-S	0.0 usft	Northing:	1,991,401.37 usft	Latitude:	38° 31' 24.545 N
	+E/-W	0.0 usft	Easting:	916,495.95 usft	Longitude:	99° 53' 0.995 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	2,344.0 usft

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/4/2012	5.74	66.19	52,462

Design	Original Wellbore				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	359.12	

Survey Program	Date	10/19/2012			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	860.0	Gyro Survey (Original Wellbore)	NS-GYRO-SS	NS Gyro single shots	
986.0	8,933.0	MWD Survey (Original Wellbore)	MWD	MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
860.0	0.13	194.32	859.9	7.6	1.9	7.6	0.00	0.00	0.00	
986.0	0.70	246.50	985.9	7.2	1.1	7.2	0.50	0.45	41.41	
First MWD Survey										
1,079.0	0.50	104.10	1,078.9	6.8	1.0	6.8	1.22	-0.22	-153.12	
1,171.0	0.90	102.20	1,170.9	6.6	2.1	6.6	0.44	0.43	-2.07	
1,263.0	0.80	92.50	1,262.9	6.4	3.5	6.4	0.19	-0.11	-10.54	
1,354.0	1.10	112.40	1,353.9	6.1	4.9	6.0	0.49	0.33	21.87	
1,446.0	1.10	108.90	1,445.9	5.4	6.6	5.3	0.07	0.00	-3.80	
1,538.0	0.90	114.70	1,537.9	4.8	8.1	4.7	0.24	-0.22	6.30	
1,631.0	0.90	268.20	1,630.8	4.5	8.0	4.4	1.88	0.00	165.05	

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Well:	Nichepor #1-32H	North Reference:	True
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellbore	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,723.0	0.70	265.20	1,722.8	4.4	6.7	4.3	0.22	-0.22	-3.26	
1,815.0	0.50	270.40	1,814.8	4.4	5.7	4.3	0.23	-0.22	5.65	
1,907.0	0.40	253.00	1,906.8	4.3	5.0	4.2	0.18	-0.11	-18.91	
1,995.0	0.40	248.50	1,994.8	4.1	4.5	4.0	0.04	0.00	-5.11	
2,092.0	0.30	203.60	2,091.8	3.8	4.0	3.7	0.29	-0.10	-46.29	
2,184.0	0.40	232.60	2,183.8	3.3	3.7	3.3	0.22	0.11	31.52	
2,277.0	0.40	242.80	2,276.8	3.0	3.1	2.9	0.08	0.00	10.97	
2,369.0	0.40	184.70	2,368.8	2.5	2.8	2.5	0.42	0.00	-63.15	
2,462.0	0.40	83.90	2,461.8	2.2	3.1	2.2	0.66	0.00	-108.39	
2,552.0	0.50	113.60	2,551.8	2.1	3.8	2.1	0.28	0.11	33.00	
2,645.0	0.60	120.30	2,644.8	1.7	4.6	1.6	0.13	0.11	7.20	
2,739.0	0.60	124.00	2,738.8	1.2	5.4	1.1	0.04	0.00	3.94	
2,833.0	0.60	93.80	2,832.8	0.9	6.3	0.8	0.33	0.00	-32.13	
2,928.0	0.60	115.90	2,927.8	0.6	7.3	0.5	0.24	0.00	23.26	
3,023.0	0.10	247.80	3,022.8	0.4	7.6	0.3	0.71	-0.53	138.84	
3,117.0	0.10	101.00	3,116.8	0.3	7.6	0.2	0.20	0.00	-156.17	
3,212.0	0.10	93.60	3,211.8	0.3	7.8	0.2	0.01	0.00	-7.79	
3,306.0	0.20	67.80	3,305.8	0.4	8.0	0.2	0.13	0.11	-27.45	
3,401.0	0.30	76.20	3,400.8	0.5	8.4	0.4	0.11	0.11	8.84	
3,495.0	0.40	62.10	3,494.8	0.7	9.0	0.6	0.14	0.11	-15.00	
3,589.0	1.10	18.00	3,588.8	1.7	9.5	1.6	0.91	0.74	-46.91	
3,684.0	1.20	12.70	3,683.8	3.5	10.0	3.4	0.15	0.11	-5.58	
3,779.0	2.40	1.50	3,778.7	6.5	10.3	6.3	1.31	1.26	-11.79	
3,810.0	5.30	354.80	3,809.6	8.6	10.2	8.4	9.45	9.35	-21.61	
3,842.0	8.40	354.30	3,841.4	12.4	9.8	12.2	9.69	9.69	-1.56	
3,873.0	10.60	356.20	3,872.0	17.5	9.4	17.3	7.17	7.10	6.13	
3,905.0	14.10	358.50	3,903.2	24.3	9.1	24.2	11.04	10.94	7.19	
3,937.0	17.20	358.90	3,934.1	32.9	8.9	32.8	9.69	9.69	1.25	
3,968.0	20.00	358.20	3,963.4	42.8	8.7	42.7	9.06	9.03	-2.26	
4,000.0	23.00	357.80	3,993.2	54.5	8.3	54.4	9.39	9.38	-1.25	
4,031.0	25.90	357.30	4,021.4	67.4	7.7	67.2	9.38	9.35	-1.61	
4,063.0	28.70	357.80	4,049.8	82.0	7.1	81.9	8.78	8.75	1.56	
4,095.0	31.70	357.60	4,077.5	98.1	6.4	98.0	9.38	9.38	-0.63	
4,126.0	34.20	358.90	4,103.5	115.0	5.9	114.9	8.38	8.06	4.19	
4,158.0	37.00	359.60	4,129.5	133.6	5.7	133.5	8.84	8.75	2.19	
4,189.0	40.00	359.20	4,153.8	152.9	5.5	152.8	9.71	9.68	-1.29	
4,221.0	43.10	358.50	4,177.7	174.1	5.0	174.0	9.80	9.69	-2.19	
4,252.0	46.30	358.70	4,199.8	195.9	4.5	195.8	10.33	10.32	0.65	
4,284.0	50.00	358.30	4,221.1	219.7	3.9	219.6	11.60	11.56	-1.25	
4,315.0	53.20	358.90	4,240.4	244.0	3.3	243.9	10.43	10.32	1.94	
4,347.0	55.70	358.90	4,259.0	270.0	2.8	270.0	7.81	7.81	0.00	
4,378.0	59.40	358.70	4,275.6	296.2	2.2	296.1	11.95	11.94	-0.65	
4,410.0	59.30	359.00	4,291.9	323.7	1.7	323.6	0.86	-0.31	0.94	

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Well:	Nichepor #1-32H	North Reference:	True
Wellbore:	Original Wellbore	Survey Calculation Method:	Minimum Curvature
Design:	Original Wellbore	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,441.0	59.50	358.90	4,307.7	350.4	1.2	350.3	0.70	0.65	-0.32	
4,473.0	59.90	358.90	4,323.8	378.0	0.7	377.9	1.25	1.25	0.00	
4,504.0	61.20	358.90	4,339.1	405.0	0.2	404.9	4.19	4.19	0.00	
4,535.0	64.50	358.50	4,353.2	432.6	-0.5	432.5	10.71	10.65	-1.29	
4,567.0	67.90	358.50	4,366.1	461.8	-1.2	461.8	10.63	10.63	0.00	
4,598.0	70.70	358.50	4,377.1	490.8	-2.0	490.8	9.03	9.03	0.00	
4,630.0	73.20	358.20	4,387.0	521.2	-2.9	521.2	7.86	7.81	-0.94	
4,662.0	75.80	358.00	4,395.6	552.0	-3.9	552.0	8.15	8.13	-0.63	
4,693.0	78.30	357.60	4,402.5	582.2	-5.1	582.2	8.16	8.06	-1.29	
4,724.0	81.30	357.40	4,408.0	612.7	-6.4	612.7	9.70	9.68	-0.65	
4,756.0	83.80	357.60	4,412.1	644.4	-7.8	644.4	7.84	7.81	0.63	
4,787.0	86.30	357.40	4,414.8	675.3	-9.1	675.3	8.09	8.06	-0.65	
4,819.0	86.90	358.00	4,416.7	707.2	-10.4	707.3	2.65	1.88	1.88	
4,850.0	87.60	357.80	4,418.2	738.1	-11.5	738.2	2.35	2.26	-0.65	
4,882.0	88.30	357.80	4,419.3	770.1	-12.8	770.2	2.19	2.19	0.00	
4,984.0	89.50	357.40	4,421.3	872.0	-17.0	872.1	1.24	1.18	-0.39	
5,079.0	90.40	356.20	4,421.4	966.8	-22.3	967.0	1.58	0.95	-1.26	
5,173.0	90.80	356.90	4,420.4	1,060.6	-28.0	1,060.9	0.86	0.43	0.74	
5,265.0	89.90	358.30	4,419.8	1,152.5	-31.8	1,152.9	1.81	-0.98	1.52	
5,358.0	90.50	359.90	4,419.5	1,245.5	-33.3	1,245.9	1.84	0.65	1.72	
5,450.0	91.70	359.60	4,417.8	1,337.5	-33.7	1,337.9	1.34	1.30	-0.33	
5,542.0	91.20	1.70	4,415.4	1,429.5	-32.7	1,429.8	2.35	-0.54	2.28	
5,634.0	89.70	1.00	4,414.7	1,521.4	-30.5	1,521.7	1.80	-1.63	-0.76	
5,726.0	88.00	0.10	4,416.5	1,613.4	-29.6	1,613.7	2.09	-1.85	-0.98	
5,817.0	88.50	0.40	4,419.3	1,704.4	-29.2	1,704.6	0.64	0.55	0.33	
5,910.0	89.10	359.60	4,421.3	1,797.3	-29.2	1,797.6	1.08	0.65	-0.86	
6,002.0	90.70	359.00	4,421.4	1,889.3	-30.3	1,889.6	1.86	1.74	-0.65	
6,094.0	91.50	0.10	4,419.7	1,981.3	-31.1	1,981.6	1.48	0.87	1.20	
6,186.0	89.50	358.90	4,418.9	2,073.3	-31.9	2,073.5	2.54	-2.17	-1.30	
6,279.0	88.50	358.70	4,420.5	2,166.3	-33.8	2,166.5	1.10	-1.08	-0.22	
6,372.0	89.00	359.00	4,422.5	2,259.2	-35.7	2,259.5	0.63	0.54	0.32	
6,463.0	90.70	359.00	4,422.8	2,350.2	-37.3	2,350.5	1.87	1.87	0.00	
6,555.0	89.60	358.70	4,422.5	2,442.2	-39.1	2,442.5	1.24	-1.20	-0.33	
6,647.0	90.60	358.20	4,422.4	2,534.2	-41.6	2,534.5	1.22	1.09	-0.54	
6,740.0	89.50	359.20	4,422.3	2,627.1	-43.7	2,627.5	1.60	-1.18	1.08	
6,831.0	91.50	359.40	4,421.5	2,718.1	-44.8	2,718.5	2.21	2.20	0.22	
6,924.0	91.50	359.70	4,419.0	2,811.1	-45.5	2,811.4	0.32	0.00	0.32	
7,017.0	90.60	359.40	4,417.3	2,904.1	-46.3	2,904.4	1.02	-0.97	-0.32	
7,112.0	86.90	359.60	4,419.4	2,999.0	-47.1	2,999.4	3.90	-3.89	0.21	
7,206.0	86.00	358.70	4,425.2	3,092.8	-48.5	3,093.2	1.35	-0.96	-0.96	
7,300.0	88.00	358.30	4,430.2	3,186.7	-51.0	3,187.1	2.17	2.13	-0.43	
7,395.0	89.40	358.30	4,432.3	3,281.6	-53.8	3,282.0	1.47	1.47	0.00	
7,490.0	89.60	357.40	4,433.1	3,376.5	-57.3	3,377.0	0.97	0.21	-0.95	

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7,584.0	91.20	358.00	4,432.5	3,470.4	-61.1	3,471.0	1.82	1.70	0.64	
7,679.0	92.10	357.60	4,429.7	3,565.3	-64.8	3,565.9	1.04	0.95	-0.42	
7,774.0	90.70	359.40	4,427.4	3,660.3	-67.2	3,660.9	2.40	-1.47	1.89	
7,868.0	90.50	357.40	4,426.4	3,754.2	-69.9	3,754.8	2.14	-0.21	-2.13	
7,962.0	89.60	359.40	4,426.4	3,848.2	-72.5	3,848.8	2.33	-0.96	2.13	
8,057.0	90.00	0.60	4,426.7	3,943.2	-72.5	3,943.8	1.33	0.42	1.26	
8,151.0	90.70	1.10	4,426.1	4,037.2	-71.1	4,037.8	0.92	0.74	0.53	
8,246.0	89.20	1.00	4,426.2	4,132.1	-69.4	4,132.7	1.58	-1.58	-0.11	
8,339.0	90.50	1.80	4,426.4	4,225.1	-67.1	4,225.6	1.64	1.40	0.86	
8,434.0	91.20	1.30	4,425.0	4,320.1	-64.5	4,320.5	0.91	0.74	-0.53	
8,529.0	90.90	359.90	4,423.3	4,415.0	-63.5	4,415.5	1.51	-0.32	-1.47	
8,623.0	91.10	359.20	4,421.6	4,509.0	-64.3	4,509.5	0.77	0.21	-0.74	
8,718.0	91.20	358.90	4,419.7	4,604.0	-65.8	4,604.5	0.33	0.11	-0.32	
8,812.0	90.30	358.70	4,418.5	4,698.0	-67.8	4,698.4	0.98	-0.96	-0.21	
Last MWD Survey										
8,933.0	90.30	358.70	4,417.9	4,818.9	-70.5	4,819.4	0.00	0.00	0.00	
PTB										

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
986.0	985.9	7.2	1.1	First MWD Survey	
8,812.0	4,418.5	4,698.0	-67.8	Last MWD Survey	
8,933.0	4,417.9	4,818.9	-70.5	PTB	

Checked By: _____ Approved By: _____ Date: _____

Well Name: Nichepor 1-32H

Contractor/Rig: Patterson-UTI 421

State: KS

County: Ness

SHL: 200 FSL & 660 FEL

Township:

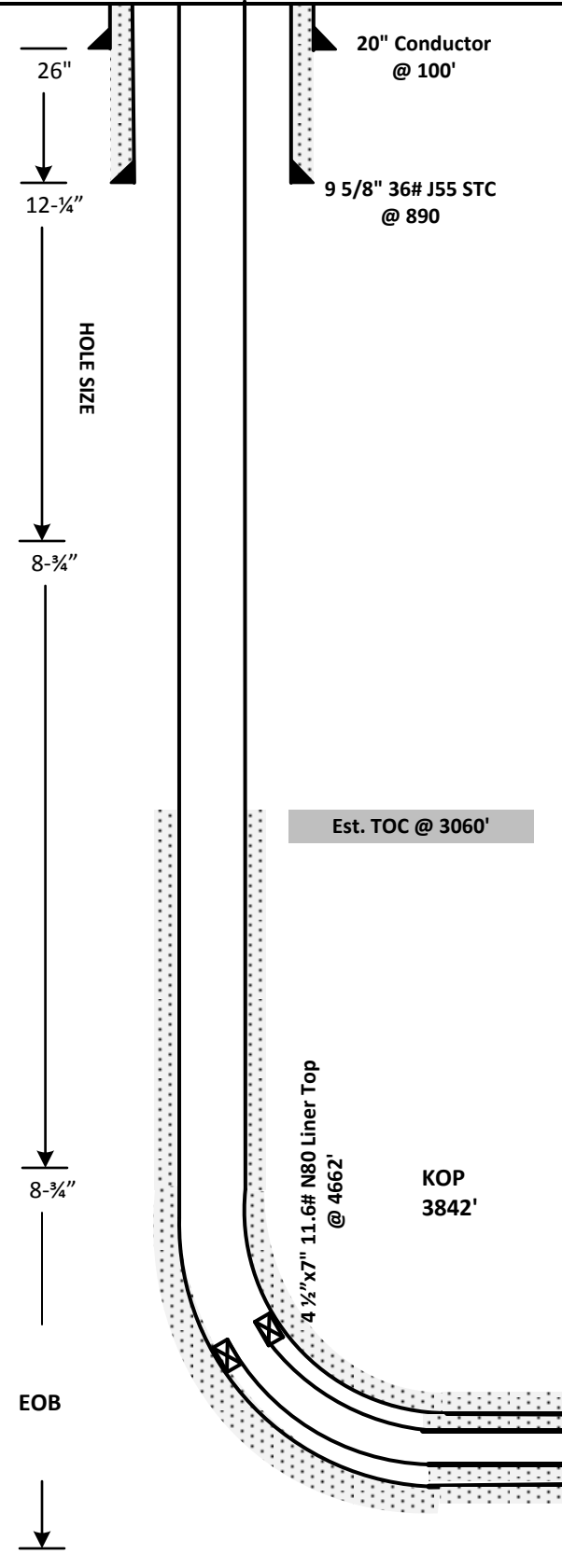
As Run

GL Elev: 2349 KB: 23 KB Elev:

BHL: 330' FNL & 660' FEL

AFE: 12-0112

Permit/API Number: 15-135-25418-01-00



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	100'	890'	4930'	8926'

Cement Details

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

See attachments for slurry details

ALLIED CEMENTING CO., LLC. 038084

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge

DATE <i>10-8-12</i>	SEC <i>32</i>	TWP. <i>17S</i>	RANGE <i>23W</i>	CALLED OUT	ON LOCATION <i>1:15 AM</i>	JOB START <i>10:00</i>	JOB FINISH <i>10:45</i>
LEASE <i>Nichogar</i>		WELL # <i>1-H</i>	LOCATION <i>Ness City, 3N, 1E, 1W</i>		COUNTY <i>Ness</i>	STATE <i>Ks</i>	
OLD OR NEW (Circle one)		<i>W/info</i>					

CONTRACTOR *Datterson 172*

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* TD *890*

CASING SIZE *9 5/8* DEPTH *875*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX *1000* MINIMUM

MEAS. LINE SHOE JOINT *4'*

CEMENT LEFT IN CSG. *4'*

PERFS.

DISPLACEMENT *64 1/2 Bbls*

EQUIPMENT

OWNER *Tug Hill*

CEMENT

AMOUNT ORDERED *200SK At + 3% Cr + 2% SMS + 2% Gyp + 1/4" #8 flo seal*

150SK At + 2% Cr

COMMON Class "A" <i>350</i>	@	<i>17.90</i>	<i>6,265.00</i>
POZMIX	@		
GEL	@		
CHLORIDE	<i>10</i>	@	<i>64.00 640.00</i>
ASC	@		
<i>Gyp</i>	<i>4</i>	@	<i>37.60 150.40</i>
<i>SMS</i>	<i>378</i>	@	<i>3.30 1,240.80</i>
<i>Flo Seal</i>	<i>50</i>	@	<i>2.97 148.50</i>
	@		
	@		
	@		
	@		
	@		
HANDLING	<i>378</i>	@	<i>2.48 937.44</i>
MILEAGE	<i>605.50</i>	@	<i>2.60 1,574.30</i>
TOTAL			<i>10,956.44</i>

PUMP TRUCK CEMENTER *Ron Willey 1*

548-545 HELPER *Eddie Piper 2*

BULK TRUCK

561 DRIVER *Troy Lenz 3*

BULK TRUCK

DRIVER

REMARKS:

See Cement Log

KS

Thank

CHARGE TO: *Tug Hill*

STREET

CITY STATE ZIP

AFE#12-0112

Code#830.18

SERVICE

DEPTH OF JOB *890*

PUMP TRUCK CHARGE *1512.25*

EXTRA FOOTAGE @

MILEAGE *35* @ *7.70 269.50*

MANIFOLD *Head* @ *275.00*

Light Vehc *35* @ *4.40 154.00*

TOTAL *2210.75*

1985.75

95/8 PLUG & FLOAT EQUIPMENT

1 - Rubber Plug @ *184.86*

TOTAL *184.86*

To Allied Cementing Co. You are hereby releasing, defending, holding harmless and indemnifying Allied Cementing Co. and its agents, employees, subcontractors, and representatives from and against all claims, damages, losses, and expenses, including reasonable attorneys' fees, that may be asserted against or incurred by Allied Cementing Co. or its agents, employees, subcontractors, or representatives in connection with the cementing equipment furnished hereunder to assist owner or owner's agent or the above work was done on owner's agent or the above work was done on the reverse side.

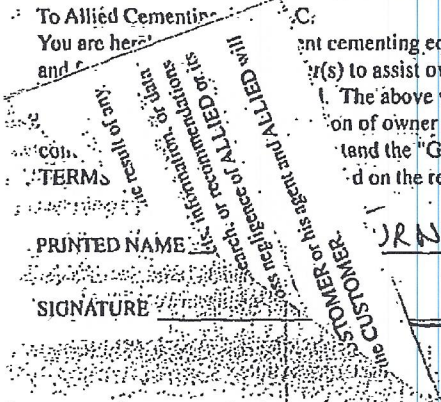
PRINTED NAME *OWNER*

SIGNATURE *Met # 8,678.83*

SALES TAX (If Any) *543.66*

TOTAL CHARGES *13,352.05*

DISCOUNT *35% 4693.22* IF PAID IN 30 DAYS



ALLIED OIL & GAS SERVICES, LLC 053896

Federal Tax I.D.# 20-5976804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Medicine Lodge, KS

DATE <i>10-14-12</i>	SEC <i>32</i>	TWP. <i>17s</i>	RANGE <i>23w</i>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <i>Nicholson</i>	WELL # <i>1-H</i>	LOCATION <i>Ness city, KS</i>	<i>3N, 1E, 1N, W/S</i>	COUNTY <i>Ness</i>	STATE <i>KS</i>	<i>1:08</i>	<i>6:3</i>
OLD OR NEW (Circle one)							

CONTRACTOR *Trinidad #172*

TYPE OF JOB *7" intermediate*

HOLE SIZE *6 3/4* TD. *4950'*

CASING SIZE *7"* DEPTH *4950'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES-MAX *1-700#* MINIMUM

MEAS. LINE SHOE JOINT *46*

CEMENT LEFT IN CSG. *46'*

PERFS.

DISPLACEMENT *187K Bbl. Fresh H₂O*

OWNER *Tughill*

CEMENT

AMOUNT ORDERED *275 sacks class A + 2% gyp + 2% SMS, 5% PL-160 + 1/4" Debrimer + Flosec + 22.5 sacks class A + 5% Salt + 2% gel + 3% PL-110 + 1/4" Debrimer*

COMMON	<i>500</i> @ <i>17.90</i>	<i>8950.00</i>
POZMIX	@	
GEL	<i>48</i> @ <i>23.40</i>	<i>93.60</i>
CHLORIDE	@	
ASC	@	
Gyp seal	<i>58</i> @ <i>37.10</i>	<i>188.00</i>
Silt	<i>68</i> @ <i>26.35</i>	<i>158.10</i>
PL-110	<i>190</i> @ <i>18.90</i>	<i>3591.00</i>
Debrimer	<i>70</i> @ <i>9.80</i>	<i>686.00</i>
SMS	<i>500</i> @ <i>3.30</i>	<i>1650.00</i>
Flosec	<i>70</i> @ <i>2.97</i>	<i>207.90</i>
	@	
	@	
HANDLING	<i>541</i> @ <i>2.46</i>	<i>1331.86</i>
MILEAGE	<i>123.50</i> @ <i>2.10</i>	<i>259.35</i>
TOTAL		<i>17187.38</i>

EQUIPMENT

PUMP TRUCK # <i>471-955</i>	CEMENTER <i>D. Felia</i>	<i>1</i>
	HELPER <i>S. Paddy</i>	<i>2</i>
BULK TRUCK # <i>421-252</i>	DRIVER <i>J. Heard / S. Bowen</i>	<i>3</i>
BULK TRUCK #	DRIVER	

REMARKS:

Small Log

Bump Plug

Float Dis Hold

THX

CHARGE TO: *Tughill*

STREET

CITY STATE ZIP

AFE # *12-0112*

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.

PRINTED NAME *CURTIS TURNER*

SIGNATURE *[Signature]*

TOTAL *17187.38*

SERVICE

DEPTH OF JOB	<i>4950</i>	
PUMP TRUCK CHARGE		<i>2765.75</i>
EXTRA FOOTAGE	@	
MILEAGE	<i>5</i> @ <i>7.70</i>	<i>38.50</i>
MANIFOLD <i>headmount</i>	@	<i>275.00</i>
<i>Light + Vehicle</i>	<i>5</i> @ <i>4.40</i>	<i>22.00</i>
	@	
TOTAL		<i>3101.25</i>

PLUG & FLOAT EQUIPMENT

<i>1-TRP</i>	@	<i>99.45</i>
	@	
	@	
	@	
	@	
TOTAL		<i>99.45</i>

SALES TAX (If Any) *98.43%*

TOTAL CHARGES *20,388.98* per bid

DISCOUNT *7135.83* IF PAID IN 30 DAYS

Bid net *13252.25* per bid

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

January 09, 2013

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

Re: ACO1
API 15-135-25418-01-00
Nichepor 1-32H
SE/4 Sec.32-17S-23W
Ness 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