

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 06528  
Name: R.J. Patrick Operating Company  
Address P O Box 1314 (Mailing Address)  
326 North Lincoln Avenue  
City/State/Zip Liberal, KS 67905-1314  
Purchaser: Centana Energy Corporation  
Operator Contact Person: R. J. Patrick  
Phone (316) 624-8483  
Contractor: Name: Zenith Drilling Company, Inc.  
License: 5141  
Wellsite Geologist: Ralph Reynolds  
Designate Type of Completion  
☒ New Well ☐ Re-Entry ☐ Workover  
☒ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.  
☒ Gas ☐ ENHR ☐ SIGW  
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

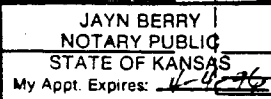
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD  
☐ Plug Back ☐ PSTD  
☐ Commingled Docket No. \_\_\_\_\_  
☐ Dual Completion Docket No. \_\_\_\_\_  
☐ Other (SWD or Inj?) Docket No. \_\_\_\_\_  
10/06/93 10/19/93 10/24/93  
Spud Date Date Reached TD Completion Date

API NO. 15- 175-21333  
County Seward  
NE - NE - SW - Sec. 3 Twp. 35 Rge. 33  
2310 Feet from SW (circle one) Line of Section  
2310 Feet from E (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)  
Lease Name Dowdy Well # 2-3  
Field Name Liberal SE  
Producing Formation Chester  
Elevation: Ground 2824 KB 2835  
Total Depth 6650 PSTD 6626  
Amount of Surface Pipe Set and Cemented at 1590 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 cm:  
Drilling Fluid Management Plan ALT 1 09/12-16-93  
(Data must be collected from the Reserve Pit)  
Chloride content 1200 ppm Fluid volume 2500 bbl  
Deaerating method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name \_\_\_\_\_  
Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter Sec. Twp. S Rng. E/W  
County \_\_\_\_\_ Docket No. \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature R. J. Patrick  
Title R. J. Patrick: Owner Date 11/04/93  
Subscribed and sworn to before me this 4th day of November, 19 93.  
Notary Public Jay Berry  
Jay Berry, Notary Public  
Date Commission Expires 04/04/96



NOV 05 1993

K.C.C. OFFICE USE ONLY

F ☐ Letter of Confidentiality Attached  
C ☒ Wireline Log Received  
C ☒ Geologist Report Received

Distribution  
☒ XCC ☐ SVD/Rep ☒ NGPA  
☒ XGS ☐ Plug ☐ Other (Specify)

Operator Name R. J. PatrickLease Name DowdyWell # 2-3Sec. 3 Twp. 35 Rge. 33☐ EastCounty Seward☒ West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests including 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Herrington	2625	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Krider	2654	
		Heebner	4350	
		Toronto	4390	
		Marmaton	5258	
		Morrow Shale	5846	
		1st Basal Morrow Sand	6104-10	
		2nd Basal Morrow Sand	6118-28	
		Chester Limestone	6136	
		Chester Porosity	6160-88	
		Chester Porosity	6220-42	

List All E.Logs Run:

Comp. SSD Neutron Log

Duel Induction Log

Micro Log

## CASING RECORD

☒ New ☐ Used

Report all stringer 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
Surface	12 1/4	8 5/8	24	1590	Howco Lite	710	Lite and Class "H"
Production	7 7/8	4 1/2	10.5	6649	Howco Poz Mix	310	18% Salt

## ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	6606' to 6610' CIBP @ 6575'	500 gal. HCL	6606 to 6610
2	6624' to 6242	2000 gal. HCL	6224 to 6242

TUBING RECORD		Size	Set At	Packer At	Liner Run			
		2 3/8	6166	6167	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SWD or Inj.			Producing Method					
			<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	0		1400		0			

Disposition of Gas:

## METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease  
(If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled  
☐ Other (Specify) \_\_\_\_\_

6624 to 6242

SEC. 3  
TWP. 35S  
RGE. 33W  
COUNTY Seward  
STATE Kansas  
TICKET NO. 3577

R.J. Patrick Operating Company  
OPERATOR  
Dowdy #2-3  
WELL NAME & NO.  
API #15-175-21333  
TEST #1  
TEST INTERVAL  
5515' - 5557'

Formation Oswego Type Test Conventional Date October 14, 1993  
 Echo Length and Size 42'; 29'X 6"OD-D.C., 13'X 4 1/2"OD-Perf. Total Depth 5557'  
 Coker Depths 5510' & 5515' Below Straddle \_\_\_\_\_ Choke Size Bottom 5/8" Surface 1/4"  
 Equipment Run 2 Packers, Jars, Safty joint, Circ. sub.

Lengths: Tool 77' D. P. 4969' ID 3.8" Wt. P. \_\_\_\_\_ ID \_\_\_\_\_ D. C. 534' ID 2.25"  
 Mud Type Chemical Vis. 46 Wt. 9.0 Wtr. Loss 8.8 Cl. 1500 ppm  
**Recorders:**  
 Depth 5503' Make Kuster Cap. 6500 Ser. No. 10269 Inside  
 Depth 5524' Make Kuster Cap. 6800 Ser. No. 10217 Outside  
 Depth \_\_\_\_\_ Make \_\_\_\_\_ Cap. \_\_\_\_\_ Ser. No. \_\_\_\_\_ Below Straddle

**Pressures:**  
 Tool on Bottom @ 8:45 P.M. Initial Hydrostatic 2672 psi  
 Initial Flow \_\_\_\_\_ 60 Min. IFP 32 psi to 32 psi  
 Initial Shut-in \_\_\_\_\_ 30 Min. ISIP 80 psi  
 Final Flow \_\_\_\_\_ 30 Min. FFP 32 psi to 32 psi  
 Final Shut-in \_\_\_\_\_ 30 Min. FSIP 74 psi  
 Tool off Bottom @ 11:15 P.M. Final Hydrostatic 2662 psi Temp. 123°F.

**Blow:** Weak increasing to fair on I.F.P., Weak on F.F.P.

**Recovery:** 60' Mud.

**Gas Flow:**

**Sampler Data:**

Pressure \_\_\_\_\_ PSI  
 Gas \_\_\_\_\_ cu. ft.  
 Total Fluid \_\_\_\_\_ cc  
 Oil \_\_\_\_\_ cc  
 Water \_\_\_\_\_ cc  
 Mud \_\_\_\_\_ cc  
 Oil Gravity \_\_\_\_\_ °F.  
 Ga Ratio \_\_\_\_\_

**Remarks:**

Tester Butch Young Witnessed by: R.J. Patrick