

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

Operators License # 6528

Name: RJ Patrick Operating Company

Address P.O. Box 1157

City/State/Zip Liberal, KS 67905-1157

Purchaser: None/Pending

Operator Contact Person: RJ Patrick

Phone (316) 624-8483

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Marvin Harvey

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ SOW ☐ Temp. Abd.

☒ Gas ☐ ENHR ☐ SIGW

☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD

☐ Plug Back ☐ PBD

☐ Commingled ☐ Docket No. _____

☐ Dual Completion ☐ Docket No. _____

☐ Other (SWD or Inj?) Docket No. _____

09-10-99 09-23-99 10-05-99
Spud Date Date Reached TD Completion Date

SIDE ONE

API NO. 15- 033-21027 0000

ORIGINAL

County Comanche County, Kansas

SE/4-SW/4 NE/4 Sec. 4 Twp. 32 Rge. 19 XXV

2310 Feet from S/W (circle one) Line of Section

1650 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE SE, NW or SW (circle one)

Lease Name Inez Bean Well # 1-4

Field Name Wildcat

Producing Formation Mississippian

Elevation: Ground 2115' KB 2123'

Total Depth 5370' PBD 5359

Amount of Surface Pipe Set and Cemented at 682 Feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 682

feet depth to 1" from 145 surface after w/ 425 sx cmt.

Drilling Fluid Management Plan Att. 1, 11-10-99 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 7000 ppm Fluid volume 630 bbls

Dewatering method used settled water & hauled

Location of fluid disposal if hauled offsite: _____

Operator Name KBW Oil & Gas

Lease Name Harmon SWD License No. 5993

NW Quarter Sec. 11 Twp. 33S Rng. 20W E/W

County Comanche Docket No. 22304

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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.

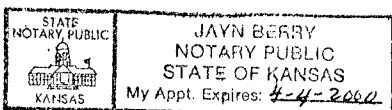
Signature RJ Patrick

Title Owner Date 10/26/99

Subscribed and sworn to before me this 26 day of October, 19 99.

Notary Public Jayn Berry

Date Commission Expires 04/04/2000



K.C.C. OFFICE USE ONLY		
F	<input type="checkbox"/> Letter of Confidentiality Attached	
C	<input checked="" type="checkbox"/> Wireline Log Received	
C	<input checked="" type="checkbox"/> Geologist Report Received	
Distribution		
<input checked="" type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep	<input checked="" type="checkbox"/> NGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other (Specify)

Form ACO-1 (7-91)

Operator Name RJ. Patrick Operating CompanyLease Name Inez BeanWell # 1-4Sec. 4 Twp. 32 Rge. 19☐ EastCounty Comanche County, Kansas☒ West

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

Drill Stem Tests Taken
(Attach Additional Sheets.)☒ Yes ☐ No

Samples Sent to Geological Survey

☒ Yes ☐ No

Cores Taken

☐ Yes ☒ NoElectric Log Run
(Submit Copy.)☒ Yes ☐ No

List All E.Logs Run: Dual Induction-Dual Compen.
Porosity -Micro-Compensated Sonic and
Geological Log.

☐ Log

Formation (Top), Depth and Datums

☐ Sample

Name	Top	Datum
Heebner Shale	4364	-2234
Toronto	4372	-2242
Lansing	4565	-2435
Marmaton	5026	-2896
Pawnee	5110	-2980
Ft. Scott	5142	-3012
Cherokee Shale	5153	-3023
Mississippi	5232	-3102

CASING RECORD

☒ New ☐ 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
Conductor	17-1/2"	13-3/8"	54#	285'	Lite Common	200	3%cc
Surface	12-1/4"	8-5/8"	24#	685'	65/35 Poz Class A	225	3%cc 2%gel
Production	7-7/8"	4-1/2"	10.5#	5370'	50/50 Poz	310	18%salt

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				

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	5314 to 5320 -5290 to 94+5240 to 46	1500 gals MCA	5240-5320
2	5122 to 26	1000 gals MCA	5122 to 26
4	4871 to 72	250 gals MCA	4871 to 72
4	4595 to 99	500 gals MCA	4595 to 99
TUBING RECORD		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Size 2 3/8		Set At 5270 Packer At 5228 & 5270	
Date of First, Resumed Production, SWD or Inj. 10/27/99		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. 0	Gas Mcf 1219	Water Bbls. 0
		Gas-Oil Ratio	Gravity/GAS 604

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) _____

15-033-2102 ORIGINAL

R. J. PATRICK OPERATING COMPANY

MAILING ADDRESS P.O. BOX 1157
326 NORTH LINCOLN
LIBERAL, KANSAS 67905-1157

316-624-8483

October 6, 1999

COMPLETION REPORT

RECEIVED
KANSAS CORP COMM

1999 OCT 29 A 11:48

Computer Inventoried

RE: Inez Bean 1-4

NE/4 Section 4-32S-19W

Comanche County, Kansas

- 09/27/99 Moved in Completion Rig and rigged up.
- 09/28/99 Rigged up Unit. Rigged up loggers and ran Cement Bond Log. Had good cement bond. Plug back total depth - 5359'. Perforated 5314' to 5320' - 5290' to 5294' - and 5240' to 5246'. Swabbed hole down, had slight show of gas. Shut in overnight.
- 09/29/99 Shut-in pressure 420#'s. Treated w/1500 gals. of 15% MCA Acid. Broke down @ 1500#. Treated @ 800# @ 5 bbls. per minute. Balled off after 750 gals. in formation. Surged balls off perfs and treated w/balance of Acid @ 6 bbls per minute @ 700#'s. Swabbed back load. Making approximately 500,000 gas per day and 8 bbls water per hr.
- 09/30/99 Tripped in hole w/packer and bridge plug. Set packer above lower perfs. Swabbed well and lower zone started flowing. Flowed 10 hrs. and well making approximately 75000 gas per day w/6 bbls. water per hr. Shut in overnight. Perforated Pawnee Zone - 5122' to 5126' - 4 feet - 2 holes per ft.
- 10/01/99 Shut in pressure 120#. Moved Bridge Plug above lower perfs and set Packer above Upper Mississippi perfs. Swabbed well in making approximately 750,000 per day and 3½ bbls water per hr. Shut in overnight.
- 10/02/99 Shut in pressure 1500#. Moved packer and bridge plug. Set plug above Upper Mississippi Zone. Set packer above Pawnee Zone. Acidized w/1000 gals of MCA Acid. Broke down @ 1000#. Treated @ 3½ bbls per minute @ 1300#. Instant shut down 700# down to 500# in 20 minutes. Swabbed back load. Had slight show of gas and no water. Moved bridge plug above Pawnee Zone. Perforate Swope Zone - 1 ft. - 4 holes @ 4871' to 4872'. Tripped in hole with packer. Shut down overnight.
- 10/03/99 Treated Swope Zone w/250 gal of MCA Acid. Broke down @ 1000#. Treated @ 1½ bbls. per minute @ 1050#. Instant shut down pressure 700#. Bled off to 450# in 20 minutes. Swabbed back load of 47 bbls. No show of gas or oil. Making 3 bbls salt water per hour. Moved bridge plug above Swope Zone. Pull tubing and packer. Perforated Lansing Zone @ 4595' to 4599' - 4 holes per ft. Tripped in hole w/packer. Spotted packer above Lansing perfs. Shut down overnight.
- 10/04/99 Acidized Lansing perfs w/500 gals of 15% MCA. Broke down @ 1250'. Treated @ 3½ bbls per minute @ 1250#. Instant shut down pressure - 700# down to 450# in 20 minutes. Have 30 bbls load to recover. Swabbed load. Had no show of gas or oil or water. Tripped out of hole w/packer and bridge plug. Tripped in hole w/packer H&F special seating nipple and back pressure valve on bottom of packer. Set for 1600#. Had 2 packer sleeves covering Swope Zone and Lansing Zone. Left well open to tank to flow. Flowing in tank overnight.
- 10/05/99 Left well open overnight. Ran rods and pump - 2"X1½"X16' pump with sliding sleeve. Ran 120 5/8" rods (plain) and 90 3/4" plain with no subs. 1 - 22'X1½" polish rod w/1-8'X1½" liner. Landed on clamp. Waiting on Pumping Unit. Released Completion Unit, cleaned location and moved off location. Job Complete.

R. J. PATRICK OPERATING COMPANY

MAILING ADDRESS P.O. BOX 1157
326 NORTH LINCOLN
LIBERAL, KANSAS 67905-1157

316-624-8483

ADDITIONAL COMPLETION REPORT

ORIGINAL

RECEIVED
KANSAS CORP CO.

1999 OCT 29 A 11:48

RE: Inez Bean 1-4
NE/4 Section 4-32S-19W
Comanche County, Kansas

- 10/12/99 Move in Completion Unit and rig up.
- 10/13/99 Pull rods and tubing out of hole. Perforate lower Mississippi 5314' to 5320', 4 holes per ft. Tripped in hole w/packer and acidized perfs w/1000 gals of 15% MCA. Broke down @ 800#'s. Treated @ 3 bbls. per minute @ 800#'s. On instant vacuum @ shut-down. Test for disposal zone would not take fluid on vacuum.
- 10/14/99 Tripped out of hole w/packer. Tripped in hole w/packer and vent packers for production. Vent Packer set across Pawnee Zone, Swope Zone and Upper Lansing Zone. Tripped in hole w/pump and rods. Acidized Lower Mississippi Zone w/500 gals 15% acid. Released Completion Unit and rig down. Move off location. Started pumping unit. Pumped 16 bbls and pump stuck and quit pumping.
- 10/21/99 Move Unit to location and rigged up. Pulled rods and pump. Shut-down overnight.
- 10/22/99 Tripped out of hole w.tubing and packers. Tripped in hole with straddle packers and straddle Upper Mississippi Zone. Swabbed and flowed 103 bbls. Shut well in. Pressure builds to 1000#'s in 4 hours. Opened well to tank overnight.
- 10/23/99 Flowed 70 bbls load water overnight. Started flow test. Making approximately 390,000 gas and 3½ bbls of load water and formation water per hour, for 6 hours. Flowing on 19/64th choke, 250#'s tubing pressure. Shut well in. Rigged down Work-Over Unit and moved off location.
- 10/24/99 Shut in tubing pressure - 1575#'s.
- 10/25/99 Shut in tubing pressure - 1575#'s.