

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # ... B&B Drilling ... 7641  
name B&B Drilling  
address 21209 N.E. 50th  
City/State/Zip .. Harrah, Okla. 73045

Operator Contact Person .. Bob Jones  
Phone .... (405) 4542126

Contractor: license # ..... 5675  
name McPherson Drilling

Wellsite Geologist ..... Self  
Phone ..... 405.4542126

PURCHASER ... A.P. & W. energy

Designate Type of Completion  
 New Well     Re-Entry     Workover

Oil                     SWD                     Temp Abd  
 Gas                     Inj                     Delayed Comp.  
 Dry                     Other (Core, Water Supply etc.)

If OWWO: old well info as follows:  
Operator ... n/a  
Well Name  
Comp. Date ..... Old Total Depth

WELL HISTORY

Drilling Method:  Mud Rotary     Air Rotary     Cable  
... 11-9-89    11-10-89    11-18-89  
Spud Date                    Date Reached TD                    Completion Date

... 800 ..... 779.7 ..  
Total Depth                    PBDT

Amount of Surface Pipe Set and Cemented at .... 20 ..... feet

Multiple Stage Cementing Collar Used?     Yes     No

If Yes, Show Depth Set ..... feet

If alternate 2 completion, cement circulated  
from ..... 0 ..... feet depth to ..... 788 ..... w/ ..... 98 ..... SX cmt

1-29-90

API NO. 15 - 29.211 - 0000

County ... Montgomery

nw 1/4 26 Sec. 33 Twp. 14 Rge.  East  West

3630 ..... Ft North from Southeast Corner of Section  
4290 ..... Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

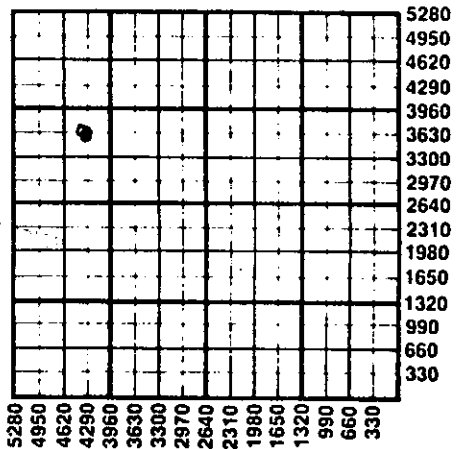
Lease Name Patterson Well# 5

Field Name Waside-Havana

Producing Formation ~~X Waside~~ Waside

Elevation: Ground 807-814x KB 814

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit #

Groundwater ..... Ft North From Southeast Corner and  
(Well) ..... Ft. West From Southeast Corner of  
Sec Twp Rge  East  West

Surface Water ..... Ft North From Southeast Corner and  
(Stream, Pond etc.) ..... Ft West From Southeast Corner  
Sec Twp Rge  East  West

Other (explain) .....  
(purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring

Docket #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 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 drillers time log shall be attached with this form. 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 Robert W Jones

Title operator 7641 Date 12-01-90

Subscribed and sworn to before me this 15th day of January 19 90

Notary Public Carol Jones  
Date Commission Expires 6/1/90

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

X AI

Operator Name ... B&B Drilling ..... Lease Name Patterson Well# 5 SEC 26 TWP 33 RGE 14  East  West

**WELL LOG**

**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  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
Red sand	479	521
no show		
oil show-free oil	706	730
	711-728	

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
perferate	5 1/4	27/8	6.5	787.6	portland	98sacks	25% flow seal
<b>PERFORATION RECORD</b>				<b>Acid, Fracture, Shot, Cement Squeeze Record</b>			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
1	18 shots 711-728			18 21/8 alum shots			728
				50 gal 15% acid breakdown			
				5 gal ay-15 5 sacks 12-30 sand			
				65 sacks 10-20 sand 30 sacks 8-12			
				200 bbls water			
<b>TUBING RECORD</b>				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
size n/a set at n/a packer at n/a							
Date of First Production	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	2 Bbls	none MCF	2 Bbls		29		

Disposition of gas:  vented  
 sold  
 used on lease

**METHOD OF COMPLETION**  
 open hole  perforation  
 other (specify) .....

**PRODUCTION INTERVAL**  
 ..... 711-728 .....

Dually Completed.  
 Commingled

DRILLERS LOG

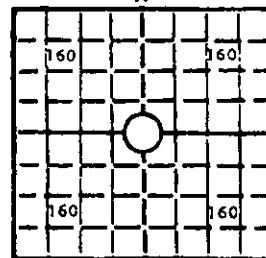
API No. 15 - 125 - 29,211  
 County Number

S. 26 T 33 R. 74 E  
 W

Loc. NE SW NW

County Montgomery

640 Acres



Locate well correctly

Elev.: Gr. \_\_\_\_\_

DF \_\_\_\_\_ KB \_\_\_\_\_

Operator  
B+B Drilling

Address  
Rt. 1 Box 65 Harrah, OK. 73045

Well No. B-5 Lease Name Patterson

Footage Location  
 feet from (N) (S) line \_\_\_\_\_ feet from (E) (W) line \_\_\_\_\_

Principal Contractor McPherson Drilling Geologist \_\_\_\_\_

Spud Date 11-9-89 Total Depth 800 P.B.T.D. \_\_\_\_\_

Date Completed 11-10-89 Oil Purchaser \_\_\_\_\_

CASING RECORD

Report of all strings set—surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
SURFACE	9 1/2	6 5/8	20	20'	Portland	5	—
PRODUCTION	5 1/4	2 7/8	6.5	787.6'			

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
Soil	0	2	Sand	479	495			
Sand	2	26	Shale	495	503			
Shale	26	68	Sand	503	521			
Lime	68	73	Sandy Shale	521	529			
Shale	73	86	Shale	529	576			
Lime	86	97	Sand	576	581			
Sand	97	116	Shale	581	583			
Sandy Shale	116	144	Sand	583	589			
Shale	144	217	Shale	589	638			
Lime	217	220	Coal	638	641			
Sand	220	246	Shale	641	673			
Shale	246	252	Lime	673	685			
Lime	252	254	Shale	685	691			
Sand	254	265	Sandy Shale	691	706			
Sandy Shale	265	283	Lamin. oil Sand	706	707			
Sand	283	298	Sandy Shale	707	708			
Shaley Sand	298	343	Broken oil Sand	708	722			
Sand	343	358	oil Sand	722	726			
Sandy Shale	358	361	Grey Sand	726	728			
Sand	361	378	Shaley Sand	728	730			
Lime	378	386	Shale	730	737			
Sandy Shale	386	469	Lime	737	784			
Lime	469	477	Shale	784	791			
Shale	477	479	Sand	791	800			