KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

State Geological Survey WICHITA BRANCH

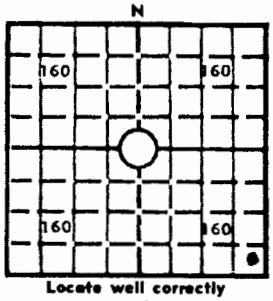
API No. 15 — 007 — 21181
County Number

S. 23 T. 31S R. 13 E W

Loc. C SE SE SE

County BARBER

640 Acres



Locate well correctly

Elev.: Gr. 1575'

DF _____ KB 1589'

Operator: EAGLE EXPLORATIONS, INC.	
Address: 107 N. MARKET SUITE 300 WICHITA, KANSAS 67202	
Well No.: 1	Lease Name: PACKARD
Footage Location: 332 feet from (N) (S) line	335 feet from (E) (W) line
Principal Contractor: SARCEE DRILLING	Geologist: BILL SLADEK
Spud Date: 1981-05-14 / Date Completed: 1981-05-30	Total Depth: 4696 / P.B.T.D.: 4676
Directional Deviation: 1° 4690'	Oil and/or Gas Purchaser: KOCH

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	12¼	8 5/8	20	332	CLASS"A"	250	3% $CaCl_2$
PRODCUTION	7 7/8	5½	14	4696	POZMIX	275	2% Gel 18% Salt 0.75 CFR_2

LINER RECORD

Top, ft.	Bottom, ft.	Socks cement

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8"	4105'	---

PERFORATION RECORD SEE ATTACHED SHEET

Shots per ft.	Size & type	Depth interval
2	4" HSC	4488-4492
2	4" HSC	4459-4463
2	4" HSC	4442-4444

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ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
12 15% MCA	4488-4492'
500 15% MCA	4459-4463'
500 15% MCA	4442-4444'

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INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
1981-07-17	Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	30.85 bbls.	Not Measured MCF	76.70 bbls.	CFPB

Disposition of gas (vented, used on lease or sold): Used on Lease and Vented

Producing interval(s): 4198-4205.5

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

C-10-1977

Operator	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
EAGLE EXPLORATIONS, INC.	23-31-13W

Well No.	Lease Name	
1	PACKARD	OIL

S 23 T 31S R 13 E W

State Geological Survey
WICHITA BRANCH

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.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM
D.S.T. #1 UPPER DOUGLAS 10-60-60-90 P.F. Weak air blow throughout V.O. Strong air blow on final flow Recovery: 180' G.I.P. , 1586 G.C.W. ISIP 1251 IFP 124-152 FFP 235-590 FSIP 1231 IHP 1606 FHP 1586 Fairly clear fine grained, friable slightly micaceous sand. Good show of free oil	3559	3585
D.S.T. #2 MISSISSIPPI 5-60-60-90 P.F. Strong air blow, G.T.S. in 45 seconds V.O. Strong gas blow 5 mins. 1450 Mcfd 10 mins. 1790 " 20 mins. 1790 " 30 mins. 1790 " 40 mins. 1790 " 50 mins. 1630 " 60 mins. 1630 " Recovery 1' drilling mud, specks of oil	4176	4207
D.S.T. #3 MISSISSIPPI 5-60-60-90 P.F. Fair air blow V.O. Fair air blow increasing to strong air blow in 30 mins. Recovery 20' G.C.M 50' G.C.M. slightly oil cut. ISIP 216 IFP 87-78 FFP 91-69 FSIP 175 IHP White to opaque translucent chert slightly weathered, fair stain, gas bubbles, light free oil	4207	4219
D.S.T. #4 MISSISSIPPI 10-60-60-90 P.F. Weak air blow V.O. Weak air blow decreasing to very weak air blow.	4219	4234

NAME	DEPTH
LOG TOPS	
INDIAN CAVE SANDSTONE	2600 (-1013)
TOPEKA	3020 (-1433)
HEEBNER	3520 (-1933)
UPPER DOUGLAS SANDSTONE	3577 (-1990)
LOWER DOUGLAS SANDSTONE	3655 (-2068)
LANSING	3706 (-2119)
SWOPE	4044 (-2457)
HERTHA	4079 (-2492)
MASSEY	4160 (-2573)
MISSISSIPPI	4200 (-2613)
KINDERHOOK	4350 (-2763)
VIOLA	4439 (-2852)
SIMPSON SAND	4540 (-2953)
ARBUCKLE	4640 (-3053)
LOGS:	
DUAL INDUCTION LATEROLOG COMPENSATED NEUTRON-FORMATION DENSITY, PROXIMITY LOG-MICROLOG	

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USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

Mary Lynn Ramsey
Signature

Geologist
Title

8/27/81
Date

Operator

(CONTINUED PAGE TWO)

DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.: P1

Well No. 1 | Lease Name PACKARD

23-31-13W

S 23 T 31 R 13 E W

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WICHITA BRANCH

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.

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FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
D.S.T. #4 continued Recovery 60' drilling mud, few specks of oil ISIP 129 IFP 116-97 FFP 110-99 FSIP 110 IHP 2056 FHP 2035				
D.S.T. #5 ARBUCKLE 10-60-60-90 P.F. Weak air blow building to fair air blow. V.O. Weak air blow throughout Recovery: 210' mud, 120' Mdy. wtr. ISIP 1769 IFP 66-166 FFP 190-201 FSIP 1722 IHP 2305 FHP 2294	4634	4644		
D.S.T #6 VIOLA 30-60-60-90 P.F. Strong air blow V.O. Strong air blow Recovery: 744' G.M., 534' G.C.M 520' HGCM with oil specks, 150' HGC slightly wty mud, with oil specks 734' G.I.P.	4430	4520		

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USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

Signature

Title

Date

23-31-13w

State Geological Survey
WICHITA BRANCH

#1 PACKARD - PERFORATIONS

SHOTS/FT.	SIZE & TYPE	DEPTH INTERVAL
4 (top 4') / 2 (bottom 3.5')	4" HSC	4198-4205.5

ACID, FRACTURED, SHOT, CEMENT SQUEEZE RECORD

CIBP @ 4425 Dumped 1½ Saxs Cement on plug for 10' fillup

1000 gal. 15% MCA 4198-4205.5

Frac. 12,000# 20-40 Sd. 4198-4205.5
62,000# 10-20 Sd.
37,000 Gal. 40# Crosslinked Gel.

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WICHITA BRANCH
JAN 22 1982

23-31-13W

Eagle Explorations, Inc.

SUITE 300, 107 N. MARKET, WICHITA, KANSAS 67202
TELEPHONE (316) 265-2897

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COMPLETION CHRONOLOGY

PACKARD #1 C SE SE SE
SEC.23-31S-13W
BARBER COUNTY, KANSAS

MICU, Swabbed to 3900', Perf. 4488-4492' (Lower Viola) @ 2 spf, Swabbed, Rec. ¼ bbl MCFW, Acidized with 15% MCA, Swabbed and Flo, Rec. 94.35 bbls./7 hrs., No show, Swabbed, Rec. 35.89 bbls./9 hrs., 30-60% oil, Swabbed, Rec. 6.27 bbls., some oil, Perf. 4459-4463' and 4442-4444' (Upper Viola), RTTS Pkr. at 4401', Retrievable BP @ 4477', Released pkr., Acidized with 15% MCA(500 gals.) Set pkr. @ 4401', Acidized 500 gals. with 15% MCA, Swabbed, Rec. 56.23 bbls. fluid/15 hrs., 2.25 bbls. oil, CIBP @ 4425', Perf. 4196-4203.4' (Mississippian Chat) @ 4 spf (Top 4') and 2 spf (bottom 3½'), Swabbed, Rec. 70.14 bbls. fluid, No Show, Swabbed, Rec. 15.8 bbls., No Show, Acidized 1000 with 15% MCA, Swabbed and flo 114.82 bbls. fluid, 9.61 bbls. oil, flo 22.55 bbls./24 hrs., 6.54 bbls. water/16.01 bbls., Avg. oil cut 71%, Frac. with 37000 gals 40# cross linked gel with 12000# 20-40 Sd. and 62000# 10-20 Sd., Swabbed, Rec. 100 bbls., Flo 243 bbls., good show oils, Flo 162 bbls/8 hrs., 50% oil, Flo 233 bbls./14.5 hrs., 98% oil, Flo 214 bbls/15 hrs., 100% oil, Flo 100 bbls./ 16.5 hrs., 100% oil, Put on pump, pumping.

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