

KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOG

IMPORTANT
Kans. Geo. Survey request
samples on this well.

API No. 15 — 051 — 22087 (DRL)

County

Number

Operator

ESP DEVELOPMENT INC.

Address

PARADISE, KANSAS 67658

Well No.

#2

Lease Name

DELMAR CHRISLER

Footage Location

990

feet from (N) (S) line

1150

feet from (E) (W) line

Principal Contractor

HELBERG

Geologist

DAVID P. WILLIAMS

Spud Date

9-14-80

Date Completed

9-25-80

Total Depth

3442'

P.B.T.D.

3374'

Directional Deviation

Oil and/or Gas Purchaser

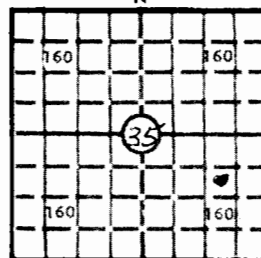
PERMIAN CORPORATION

WICHITA, BRANCH

S. 35 T. 11 R. 16 W

Loc. 160' W SW NE SE

County ELLIS

640 Acres
N

Locate well correctly

Elev.: Gr. 1783'

DF KB 1789

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
PRODUCTION	7 7/8"	5 1/2"	14 #	3440'	COMMON	150	8% SALT 4% GILSONITE 1 of 1% CFR ₂

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	4" - 55B	3319' - 28'
			2	4" - 55B	3261' - 64'
			2	4" - 55B	3200' - 03'
			2	4" - 55B	3067' - 69'
			2	4" - 55B	3051' - 53'
			2	4" - 55B	2995' - 97'

TUBING RECORD

Size	Setting depth	Packer set at
2 7/8"	3370'	—

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1500 GAL. - 15% NON-SWELLING - 3000 GAL. MOD 202	3319 - 28
1500 GAL. - 15% - NONE	3261 - 64
1500 GAL. - 15% - NONE	3200 - 03
	3067 - 69
	3051 - 53
	2995 - 97

INITIAL PRODUCTION

Date of first production 11-22-80		Producing method (flowing, pumping, gas lift, etc.) PUMPING			
RATE OF PRODUCTION PER 24 HOURS	Oil 35	Gas —	Water 160	Gas-oil ratio —	
		bbls.	MCF	bbls.	CFPB
Disposition of gas (vented, used on lease or sold) —			Producing interval(s) SEE ABOVE INTERVALS		

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.

35-11-16W

DRILL STEM TESTS

There was one drill stem test taken with the following results:

<u>FORMATION</u>	<u>DEPTH</u>	<u>TIMES</u>	<u>BLOW</u>	<u>RECOVERIES</u>
Lansing	3094-3135'	30"-30"-30"-30"	Good through-out.	660' Salt Water with specks of oil.
-----Pressures----- Ih. 1793#; Ph. 1770#. If. 209-809#; Pf. 870#. ISIP. 870#; PSIP 870#.				

ZONES OF INTEREST

<u>Formation</u>	<u>Depths</u>	<u>Description</u>
Toronto	2993-96' (Log depths)	Limestone; white to brown; fair oolitic to oolitic porosity; good saturation stain in few pieces; fair fluorescence; hydrocarbon cut; slight trace odor; fair to good show; PERFORATE.
Lansing	3019-22'	Limestone; white; dense; poor oolitic porosity; no stain; no odor; electric log calculated 40% saturation water; PERFORATE.
" "	3050-54	Limestone; cream to white; fine-crystalline; massive; dense; poor oolitic to oolitic porosity - poor development; ? gas?; no stain, odor, or fluorescence. Electric logs calculated 35-40% saturation water; PERFORATE.
" "	3066-70	Limestone; gray to cream; massive; dense; trace poor oolitic porosity; no visible show oil/gas; electric log calculated 42% saturation water. PERFORATE.
" "	3072-76'	Limestone; as above; no visible show; electric logs calculated 35% saturation water; PERFORATE. Fair odor; Fluorescence.
" "	3105-08'	Limestone; cream to white; good oolitic to oolitic porosity; good show free oil; good saturation stain; faint odor; electric logs calculated 45% saturation water. This zone was covered by DST#1 and therefore condemned.
" "	3118-24'	Limestone; white; fair oolitic porosity; no stain; no fluorescence; trace show oil ?; PERFORATE.
" "	3158-60'	Limestone; good oolitic porosity; white; slight trace stain; slight show; electric logs calculated 48% saturation water; PERFORATE.

REPORT: 32 D. Christer

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Lausien;	3200-03'	Limestone; cream to tan to white; fair pin-point porosity; slight odor; slight trace fluorescence; trace free oil; electric logs calculated 38-45% saturation water; PERFORATE.
" "	3260-66'	Limestone; white; trace oolitic Porosity to oolitic porosity; no visible show, odor, or fluorescence; electric log calculated 32-38% saturation water; PERFORATE.
CONCRETE	3310-14	Quartz sand; fine-grained; well-sorted; show free oil; slight odor; friable; electric log calculated 45% saturation water; PERFORATE.
STEFSON SAND	3404-08'	Quartz sand; fine grained; well-sorted; trace large grains-white; trace free oil?; electric log calculated 50% saturation water. PERFORATE.

State Geological Survey
WICHITA BRANCH

35-11-16W

A-2nd

DRILLERS LOG

CHRISLER #2

CASING RECORD:

8 5/8" set at 165'

TOTAL DEPTH:

3465'

OPERATOR: E.S.P. Development

CONTRACTOR: Helberg Oil Company

COMMENCED: September 14, 1980

COMPLETED: September 16, 1980

DESCRIPTION:

160' W of SW NE SE
Sec. 35-11-16 Ellis County, Kansas
west

FORMATION	FROM	TO	REMARKS
Lime & Shale	0	131	
Lime & Shale	131	194	
Sand & Shale	194	675	
Sand & Shale	675	900	
Shald & Sand	900	952	
Anhydrite	952	991	
Shale & Sand	991	1119	
Shale	1119	1435	
Shale	1435	1667	
Shale	1667	1801	
Lime & Shale	1801	1976	
Lime & Shale	1976	2090	
Shale & Lime	2090	2249	
Lime & Shale	2249	2328	
Lime & Shale	2328	2462	
Lime & Shale	2462	2641	
Lime & Shale	2641	2735	
Lime & Shale	2735	2819	
Lime & Shale	2819	2908	
Lime & Shale	2908	2980	
Lime & Shale	2980	3051	
Lime & Shale	3051	3107	
Lime	3107	3135	
Lime	3135	3151	
Lime	3151	3206	
Lime & Shale	3206	3281	
Lime & Shale	3281	3370	
Lime & Shale	3370	3442	
T.D.	3442		Run 4½" casing

RECEIVED
STATE GEOLOGICAL SURVEY

OCT 15 1980

CONSERVATION DIVISION
Wichita, Kansas

I certify that the above is a true and correct copy of the log to the best of my knowledge.

HELBERG OIL COMPANY