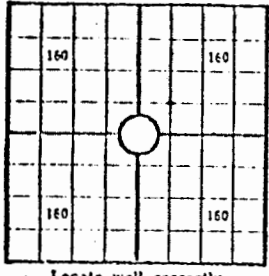


13-11-32W

640 Acres
N



API#15-109-20, 019

Lease Name: Delzeit "A" Well No. 1
 Well Located: C NW SE
Logan SEC 13 TWP 11S RGE 32W
 Operator: Pickrell Drilling Company
 Address: 705 Fourth National Bank Bldg., Wichita, Kansas
 Elevation: Ground 2981 D.F. 2983 K.B. 2986
 Type Well: (Oil, gas, dry hole) Dry Hole

Drilling Commenced: 12/27 1972 Drilling Completed: 1/12/ 1973
 Well Completed: 19 Total Depth 4686'
 Initial Production: _____

Casing Record

Size: 8-5/8" Set at 251' Size: _____ Set at _____
 Size: _____ Set at _____ Size: _____ Set at _____

Liner Record

Size: _____ Set from _____ To _____

Cementing

<u>Casing Size</u>	<u>Sacks</u>	<u>Type Cement and Additives</u>
<u>8-5/8"</u>	<u>150</u>	<u>3/2</u>
_____	_____	_____
_____	_____	_____

Perforations

<u>Formation</u>	<u>Perforated Interval and Number Shots</u>
_____	_____
_____	_____
_____	_____
_____	_____

Electric Log Run (Show type log and depths covered)

GR-N, Guard Cal. (Great Guns)

(Fill in formation and related information on reverse side)

FORMATION, TESTING AND COMPLETION RECORD

13-11-32w

Show Drill Stem Tests,
Well Stimulation and
Production Tests

Formation	Top	Bottom	
Top Soil	0	45	DST # 1 3962-3991: Open 40 min., weak blow 15 mins.
Sand	45	80	Rec. 30' mud. IBHP 1249#/30", FBHP 1238#/45"
Shale	80	2560	IFP 21#, FFP 21#.
Shale & Lime Stringers	2560	2690	DST # 2 4013-4038: Open 2 hrs., fair blow. Rec..
Shale & Lime	2690	2820	625' muddy salt water w/slight show of oil on top.
Lime	2820	2990	IBHP 1196#/30", FBHP 1040#/60", IFP 34#, FFP 318#.
Shale & Lime	2990	3645	DST # 3 4053-4074: Open 2 hrs., strong blow.
Lime	3645	3720	Rec. 2' free oil, 1140' salt water. IBHP 1259#/30",
Shale & Lime	3720	3965	FBHP 1207#/60", IFP 32#, FFP 549#.
Lime	3965	4042	DST # 4 4122-4166: Open 2 hrs., weak blow increasing
Lime & Shale	4042	4078	to fair. Rec. 15' clean oil, 120' mud w/no show.
Lime	4078	4385	IBHP 1364#/30", FBHP 1353#/60", IFP 11#, FFP 84#.
Lime & Shale	4385	4487	DST # 5 4160-4191: Open 1½ hrs., weak blow increasing
Lime, RTD	4487	4686	to fair, then decreasing to dead in 54". Rec. 90'
			OCM (15% oil). IBHP 201#/30", FBHP 675#/60",
			IFP 32#, FFP 63#.
			DST # 6 4185-4217: Open 40", weak blow 10", rec.
			10' mud w/spots of oil. IBHP 63#/30", FBHP 74#/45"
			IFP 42#, FFP 42#.
			DST # 7 4250-4282: Open 2 hrs., fair blow increasing
			to strong. Rec. 700' muddy salt water. IBHP 1416#/30",
			FBHP 1416#/60", IFP 53#, FFP 360#.
			DST # 8 4433-4468: Open 2 hrs., weak blow increasing
			to fair. Rec. 225' of gas in pipe, 15' OCM.
			IBHP 95#/30", FBHP 243#/60", IFP 15#, FFP 42#.
			DST # 9 4523-4567: Open 40", weak blow 15", Rec.
			10' mud w/spots of oil. IBHP 233#/30", FBHP 201#/45",
			IFP 32#, FFP 32#.
			DST # 10 4559-4607: Open 2 hrs., weak blow increasing
			to fair. Rec. 160' thin mud w/spots of oil.
			IBHP 1040#/30", FBHP 893#/60", IFP 42#, FFP 116#.



ROTARY DRILLING LOG

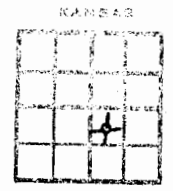
13-11-32W
Cnw SE

API# 15-109-20,019

COMPANY: ^{MAR 2 1973} Pickrell Drilling Company
705 Fourth National Bank Building
Wichita, Kansas 67202

Rotary Drilling Commenced 12/27/72
Rotary Drilling Completed 1/12/73

LOCATION: Delzeit "A" No. 1, C NW SE Sec. 13-11S-32W,
Logan County, Kansas



CONTRACTOR: **PICKRELL DRILLING COMPANY**
Wichita, Kansas

CASING RECORD: Ran 6 Jts. 8-5/8" surface casing set @ 251' K.B. Cemented with
150 sacks. Completed 2:15 P.M. Circulated.

No oil string run. D & A. Plugged down 1:45 P.M. January 12, 1973.

LOG

E 2986 KB

(Figures indicate bottom of formation — measurements from top of rotary bushing.)

45	Top Soil			
80	Sand			
2560	Shale	<u>C.F.S.</u>		
2690	Shale & Lime Stringers	3690	4195	4610
2820	Shale & Lime	3985	4221	4635
2990	Lime	3995	4250	4670
3645	Shale & Lime	4012	4285	4686
3720	Lime	4042	4330	
3965	Shale & Lime	4060	4471	
4042	Lime	4078	4505	
4078	Lime & Shale	4160	4520	
4385	Lime	4170	4570	
4487	Lime & Shale			
4686	Lime, RTD			

Log tops	depth
Sc	2482
Wab	3603
Top	3728
Heeb	3954
Tor	3981
Lans	3996
Kc	4147
Stark	4216
Bkc	4280
Marm	4315
Ft Sc	4476
Cher Sh	4505
Cher Sd	4567
Miss Lm	4604
Miss Dol	4655
Ltd & Rtd	4686

<u>Slope Tests</u>
2000
2500
3000
3500
4000
4500



The undersigned, C. W. Sebitts, Attorney-in-Fact for PICKRELL DRILLING COMPANY, hereby certifies in behalf of said Company, that the above is a true and correct log of the formation encountered in drilling the above well as reflected by the Daily Drilling Reports.