

8-4-28W

KANSAS DRILLERS LOG

API No. 15 — 041 — 20,358
County Number

Operator
Gemini Corp.

Address
P. O. Box 818 McCook, Nebraska 69001

Well No. #1-8 Lease Name Bishop ✓

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

Principal Contractor Abercrombie Drilling Geologist Allan R. Hallock

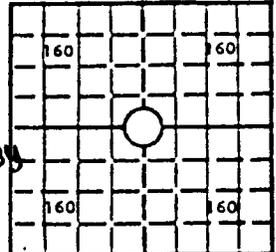
d Date 9-20-76 Total Depth 4050 P.B.T.D. 4042

Date Completed 11-5-76 Oil Purchaser Koch Oil Co.

S. 8 T. 4 R. 28 ^N_W

Loc. NE SW SW

County Decatur
 640 Acres
 N



SEP 30 1985
 Geological Survey
 WICHITA BRANCH

Elev.: Gr. 2775

DF 2780 KB 2780

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	12½	8 5/8	28	203	60:40 Pozmix	A 180	3% CaCl ₂
Production		4½	10.5	4099	Class 50:50 Pozmix	A 100	1% Latex 2% gel, 18% salt 0.75% CFR-2

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			3	JHPF	4010-12
			3	JHPF	3956-58

Size	Setting depth	Packer set at			
2 3/8"	4035.65'	KB	6	JHPF	3929-32
			2	JHPF	3956-58

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gallons of 15% N.E. acid; retreated w/200 gal. 15% N.E. followed by 1000 gallons 15% CRA-22, 500 gallons 2% KCl water 1000 gallons 15% CRA-22, 630 gallons 2% KCl followed by 15 B. 2% KCl water flush 1.2 BPM at 1300 psi.	4010-12
250 gallons 15% NE acid 0.14 BPM at 500 psi.	3956-58

CONTINUED ON BACK OF THIS SHEET (OVER)
 INITIAL PRODUCTION

Date of first production 11-11-76 Producing method (flowing, pumping, gas lift, etc.) pumping

RATE OF PRODUCTION PER 24 HOURS	Oil <u>20</u> bbls.	Gas <u>15.5</u> bbls.	Water <u>15.5</u> bbls.	Gas-oil ratio <u>CFPB</u>
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Disposition of gas (vented, used on lease or sold) vented STATE CORPORATION COMMISSION Producing interval(s) Lansing-Kansas City "H"

SEP 26 1985

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, 3830 So. Meridian (P.O. Box 17077), Wichita, Kansas 66217. 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 Conservation Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Gemini Corporation		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDOW, ETC.: oil
Well No. 1-8	Lease Name Bishop	
S 8 T 4S R 28 ^{EX} _W		

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	NAME	DEPTH
Surface Clay	0	125		
Sand	125	170		
Shale	170	2571		
Anhydrite	2581	2603		
Shale	2603	3430		
Shale & Lime	3430	3788		
Lime and Shale	3788	3980		
Lime	3980	4100		
RTD		4100		
SEE ATTACHED FOR DST INFORMATION				
<p>SEP 30 1985</p> <p>State Geological Survey WICHITA BRANCH</p>				
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD CONTINUED FROM FRONT PAGE				
250 gallons NE acid .07 BPM at 400 psi.; retreated with				3929-32
2500 gallons 15% NE acid - 2.2 BPM at 225 psi.				
250 gallons 18% NE acid started feeding 0.3 BPM at				3956-58
500 psi., 1 min. Pressure dropped to 0 psi. Increased				
rate to 1 BPM. Pressure increased to 300 psi. then fell				
off to 50 psi.				

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

Date Received	RECEIVED	
	STATE CORPORATION COMMISSION	Signature
	SEP 26 1985	President
	CONSERVATION DIVISION Wichita, Kansas	Title
		Date
		12-15-76

Becker # 1-8

8-4-28 W

DRILL STEM TESTS

DST No. 1: 3912-3938' ("A" & "B" Zones)--30"-60"-30"-90"; Opened with good blow, increased to bottom of bucket in 3", steady throughout flow period; S.I.; Reopened with good blow, increased to bottom of bucket in 3"; steady throughout flow period; S.I.; Recovered 10' heavily gas and oil cut mud, 426' heavily gas and mud cut oil, 124' heavily gas cut, slightly mud cut oil, no water.

IHP 2149 FFP 181-254
IFP 73-163 FSIP 1071
ISIP 1090 FHP 2112

BHT 95°

DST No. 2: 3967-3980' ("F" Zone)--30"-60"-30"90"; Opened with strong blow, steady throughout; S.I.; Reopened with strong blow, bottom of bucket in 5"; S.I.; Recovered 1180' gassy, slightly muddy salt water with trace oil.

IHP 2184 FFP 383-583
IFP 55-383 FSIP 1291
ISIP 1291 FHP 2110

BHT 115°

DST No. 3: 4006-4020 ("H" Zone)--30"-60"-60"-120"; Opened with fair blow, increasing to strong; S.I.; Reopened with good blow, increasing to 12" blow at end of flow period; S.I.; Recovered 190' heavily gas-cut, heavily mud-cut oil.

IHP 2241 FFP 54-91
IFP 36-54 FSIP 1035
ISIP 1090 FHP 2186

BHT 100°

DST No. 4: 3947-3963 ("E" Zone straddle test)--30"-60"-30"-90"; Misrun, bottom packer failed. Rec. 2800' gassy muddy salt water with trace of oil. Clean oil in test tool.

IHP 2204 FFP 1000-1200
IFP 145-982 FSIP 1273
ISIP 1273 FHP 2167

BHT 125°

SEP 30 1985
State Geological Survey
WICHITA BRANCH

RECEIVED
STATE CORPORATION COMMISSION

SEP 26 1985

CONSERVATION DIVISION
Wichita, Kansas