

**Bryant 1-B**

**Sec. 11 - T. 21S, Range 20W  
SW SE NW  
Pawnee Co., Kansas**

D. R. LAUCK OIL COMPANY, INC.  
WELL RECORD

Lease Bryant Well No. B1 Date Sept. 5, 1961


Sec. 11 Twp. 21S Rge. 20W  
Location SW SE NW County Pawnee  
Contractor Lauck Drlg. Co.  
Commenced \_\_\_\_\_  
Completed \_\_\_\_\_

CASING USED AND CEMENT

	<u>Length</u>	<u>Weight</u>	<u>Left in Hole</u>	<u>Sax and Make Cement</u>
Elev. <u>2138 KB</u>				
Hebener _____				
Topeka _____				
Iansing K.C. _____	16" OD			
Base K. C. _____				
Cong. _____	13" OD			
Miss. Lime _____				
Kinderhook _____	10-3/4"			
Misner _____				
Hunton _____	8-5/8"OD	215		
Sylvan Shale _____				
Viola _____	7" OD			
Simpson _____				
Arbuckle _____	5-1/2"OD	14	4515	700 Gal. Latex
Basal Sand _____				
Pre-Camb _____				
T. D. _____				
Penetration _____				
Prod. Formation _____				

Top Cement 4010'  
Zero 6' - 8" A.B.H.

SHOOTING RECORD:

Date 9-10-61 Size Shot \_\_\_\_\_  
Results Perf. 4264-4270. Recovered show gas. Acidized into water and squeezed.  
9-19-61 Perf. 4261-4267 no natural production

Deepening or Plugging Back Record:

LINER RECORD

<u>Size</u>	<u>Weight</u>	<u>From</u>	<u>To</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

NOTE: Explain how liner set.  
(Packer bottom of hole, etc.)

POTENTIALS:

<u>Date</u>	<u>Oil</u>	<u>Water</u>
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____

ACID RECORD

<u>Date</u>	<u>Gallons</u>
9-10-61	500 Gal. mud acid
9-19-61	250 Gal. B.D.4.
	500 Gal. regular
9-20-61	3000# sand-3000 gal. lease oil

Lease Bryant Well No. B 1 Date Sept. 5, 1961  
 Casing: Size 5 1/8 Weight 14 Total Length 4515  
 Cement: Kind 700 Gal. Latex Admixture \_\_\_\_\_

Joint Number One is Shoe Joint

No.	Feet	In.	No.	Feet	In.	No.	Feet	In.	No.	Feet	In.	No.	Feet	In.
1	27	93	31	32	06	61	32	23	91	33	68	121	33	08
2	32	29	32	29	10	62	32	88	92	33	70	122	32	55
3	32	88	33	32	67	63	32	08	93	32	59	123	33	20
4	32	99	34	32	06	64	33	43	94	32	45	124	33	07
5	32	68	35	33	10	65	33	02	95	32	93	125	31	40
6	32	61	36	32	40	66	33	--	96	33	10	126	33	50
7	29	85	37	33	09	67	32	76	97	33	--	127	33	24
8	32	--	38	33	22	68	32	81	98	32	75	128	31	88
9	32	69	39	32	34	69	32	45	99	32	95	129	32	98
10	32	63	40	32	67	70	33	11	100	33	70	130	32	73
Total	318	55	Total	323	81	Total	328	67	Total	330	85	Total	327	63
11	32	75	41	33	24	71	31	08	101	33	13	131	33	04
12	33	37	42	31	69	72	31	90	102	31	96	132	31	90
13	32	74	43	31	93	73	31	70	103	33	63	133	33	42
14	30	98	44	33	07	74	33	28	104	33	66	134	32	10
15	29	31	45	30	98	75	32	87	105	32	83	135	31	83
16	32	98	46	33	37	76	33	05	106	33	73	136	32	56
17	33	09	47	32	23	77	32	87	107	33	38	137	32	24
18	33	65	48	32	85	78	32	61	108	32	60	138	32	23
19	32	42	49	31	80	79	32	82	109	33	73	139		
20	32	95	50	32	99	80	33	34	110	33	22	140		
Total	324	24	Total	324	15	Total	325	52	Total	331	87	Total	259	32
21	32	38	51	32	36	81	32	57	111	33	70	141		
22	33	16	52	32	63	82	33	38	112	33	10	142		
23	32	74	53	32	83	83	32	28	113	33	23	143		
24	32	78	54	33	11	84	33	32	114	33	06	144		
25	33	65	55	32	37	85	33	11	115	30	86	145		
26	33	08	56	32	28	86	33	72	116	33	30	146		
27	32	31	57	32	89	87	33	10	117	31	77	147		
28	32	90	58	33	15	88	31	82	118	32	58	148		
29	32	09	59	32	96	89	32	14	119	32	50	149		
30	32	73	60	32	05	90	33	--	120	33	38	150		
Total	327	82	Total	326	63	Total	328	44	Total	327	48	Total		

Note: Include size, weight, type, threads off tally by joint.  
 Show type and size float collar and shoes or float shoe for each string.

Remarks: Zero 6'-8" A.B.H. 5 1/8 set on bottom 4515.  
Centralizers 4197 and 4324. 700 gal. Latex by Globe Cementing Co.

Totals by Column		
	Feet	In.
1.	970	61
2.	974	59
3.	982	63
4.	990	20
5.	586	95
Total	4504	98

Transfer No. \_\_\_\_\_

Emergency Order No. \_\_\_\_\_

Lease \_\_\_\_\_ Well No. \_\_\_\_\_ Date \_\_\_\_\_  
 Casing: Size \_\_\_\_\_ Weight \_\_\_\_\_ Total Length \_\_\_\_\_  
 Cement: Kind \_\_\_\_\_ Admixture \_\_\_\_\_

Joint Number One is Shoe Joint

No.	Feet	In.	No.	Feet	In.	No.	Feet	In.	No.	Feet	In.	No.	Feet	In.
1			31			61			91			121		
2			32			62			92			122		
3			33			63			93			123		
4			34			64			94			124		
5			35			65			95			125		
6			36			66			96			126		
7			37			67			97			127		
8			38			68			98			128		
9			39			69			99			129		
10			40			70			100			130		
Total			Total			Total			Total			Total		
11			41			71			101			131		
12			42			72			102			132		
13			43			73			103			133		
14			44			74			104			134		
15			45			75			105			135		
16			46			76			106			136		
17			47			77			107			137		
18			48			78			108			138		
19			49			79			109			139		
20			50			80			110			140		
Total			Total			Total			Total			Total		
21			51			81			111			141		
22			52			82			112			142		
23			53			83			113			143		
24			54			84			114			144		
25			55			85			115			145		
26			56			86			116			146		
27			57			87			117			147		
28			58			88			118			148		
29			59			89			119			149		
30			60			90			120			150		
Total			Total			Total			Total			Total		

Note: Include size, weight, type, threads off tally by joint.  
 Show type and size float collar and shoes or float shoe for each string.

Remarks: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Totals by Column	
Feet	In.
1.	_____
2.	_____
3.	_____
4.	_____
5.	_____
Total	_____

Transfer No. \_\_\_\_\_

Emergency Order No. \_\_\_\_\_

## D. R. IAUCK OIL COMPANY, INC.

DRILLING IN RECORD  
CABLE TOOL CORING

Lease Bryant Well B1 Date Sept. 9, 1961  
 Sec. 11 Twp. 21S Rge. 20W Location SW SE NW  
 Elevation 2138 KB Top \_\_\_\_\_ Contractor Confer Drlg. Co.  
 Casing Set 4515  
 Top Solid Cement 4010  
 Casing Shoe 4515  
 S.L.M. Bottom Rotary Hole 4515  
 Measurement Corrections: \_\_\_\_\_

DRILLING IN: (Information Required: Fillup timed, water, core description, feet cored per run, and ALL additional information pertaining to drill-in of the well.)

Sept. 9, 1961

Moved in Confer Drlg. Co. Rigged up and swabbed hole down to top of float 4487 and test dry.

Sept. 10, 1961

Rigged up Perforators Inc. Run collar log and perforated, 4264-4270 - 6 shots per ft. Recovered good show of gas after perforating. Acidized by Dowell down 5½" casing into perf. 4264-4270 with 500 gal. mud acid, max. pressure 1550, pressure break to 900# and treated same. 1 min. pressure drop 700#, 3 min. 525#, 5 min. 450 #. Swabbed load back and test well producing water and show of gas.

Sept. 11, 1961

Continued swab testing, well producing 5 bbls. S.W.P.H. slight show oil and gas. Run lab test on water found not to be Miss. water. Shut down for bad roads.

Sept. 15, 1961

Rigged up tubing tools, run 2" tubing with Baker tool and squeezed perforations 4264-4270 with 140 sacks cement 4500# pressure. Pulled tubing and shut down.

Sept. 18, 1961

Swabbed hole down and drilled squeeze cement out of pipe and test dry.

Sept. 19, 1961

Rigged up Perforators Inc. Run cement bond log and found all indications necessary to prove acid channeling from top of Miss. to base of Kinderhook

(SEE OVER FOR ADDITIONAL RECORD)

which was covered completely by squeeze job. Perforated 4261-4267 - 6 S.P.F. dumped fluid in hole and run tornado frac gun and shot 1 at 4263 and 1 at 4265. Swabbed hole down and test. No production recovery. Acidized by Dowell down 5½" casing into perf. 4261-4267 with 250 gal. B.D.A. acid, max. pressure 1550# finish 1000#, 1 min. pressure drop 825#, 3 min. 750#, 5 min. 700#. Swabbed hole down did not recover acid water. Acidized down 5½" casing with 500 gal. regular acid, max. pressure 1350# and treat 1050#, 1 min. pressure drop 875#, 3 min. 675#, 5 min. 550#. Swabbed hole down.

Sept. 20, 1961

Found 625' acid water in hole over night which had not been recovered. Swabbed down and test dry with show of formation gas. Rigged up Dowell and frac down 5½" casing with 3000# sand and 3000 gal. lease oil into perf. 4261-4267, max pressure 1400# finish treatment, 1 min. pressure drop 900#, 3 min. 800#, 5 min. 650#. Bled pressure off and began swabbing lead back, swabbed to max. depth 1500# down. Could not swab lower, recovered 100 Bbls. and well began flowing into test tank ¾" choke 220# pressure well flowed 58 bbls. 1st hour and 46 bbls. second hour. Well dropped to 13 bbls. and began showing water. Continued flowing well until frac oil had returned. Put well on test at rate of 20 bbls. S. water per hour 1% frac oil, 9 hour test ¾" choke 60# operating pressure. Shut well in 5 min. and opened ¾" choke, well produced 6 B.S.W. 2 hours. Due to hole loading with water and killing pressure. Shut well in did not gauge gas volume due to fluid volume. Well load, until no shut in pressure could be recorded.

*Gas flow estimated near 1000 MCF with 20 bbls saltwater per hour.*

*Water analysis again indicates Kinderhook condensing water.*

D + A April, 1962



SHEET NO. 6

D. R. LAUCK OIL COMPANY, INC.

DETAILED RECORD ON DEEPENING, PLUGGING BACK, SQUEEZE  
CEMENTING, PERFORATING, ETC.