

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACD-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5682Name: HUGHES DRILLING CO.Address 122 N. MAINWELLSVILLE, KS.City/State/Zip 66092Purchaser: EOTTOperator Contact Person: Carl C. HughesPhone (913) 883-2235Contractor: Name: HUGHES DRILLING CO.License: 5682Wellsite Geologist: none

Designate Type of Completion

XX New Well Re-Entry WorkoverXX Oil SWD SIOW Temp. Abd. Gas ENHR SIGW Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: Well Name: Comp. Date Old Total Depth Deepening Re-perf. Conv. to Inj/SWD Plug Back PSTD Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. 4/4/964/8/964/25/96

Spud Date

Date Reached TD

Completion Date

API NO. 15- 091-22,695County JOHNSONNE SW SE NE Sec. 36 Twp. 14 Rge. 21 XXE3030 Feet from SW (circle one) Line of Section730 Feet from SW (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)Lease Name BRAUN Well # 16Field Name LONGANECKERProducing Formation BARTLESVILLEElevation: Ground na KB Total Depth 917 PSTD Amount of Surface Pipe Set and Cemented at 20 FeetMultiple Stage Cementing Collar Used? Yes XX NoIf yes, show depth set FeetIf Alternate II completion, cement circulated from 901feet depth to surface w/ 110 sz cmt.Drilling Fluid Management Plan ALT 2 2/2 10-17-96
(Data must be collected from the Reserve Pit)Chloride content ppm Fluid volume bblsDewatering method used Location of fluid disposal if hauled offsite: Operator Name Lease Name License No. Quarter Sec. Twp. S Rng. E/WCounty Docket No.

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Carl C. HughesTitle Partner Date 5/16/96Subscribed and sworn to before me this 16th day of May 19 96.Notary Public Marie LinderDate Commission Expires May 20 1996

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
C ✓ Wireline Log Received
C Geologist Report Received

Distribution

✓ KCC SWD/Rep NGPA
✓ KGS Plug Other
(Specify)



HUGHES DRILLING REPORT

SET IN PIPE

PERMANENT CSG.

TUBING

3030 FSL
730 FEL

FORMATION DRILLED

APR 15-091-22695

Well No. 16 Size 6 1/4 (5 sk) Size 2 7/8 Size
Farm BROWN Feet 20' (cement) Feet 901' Feet
Water Streak @ Cond. good (used) Cond. good Cond.
Water Level @ Top Sand T. D. at Completion 917'
Approved Superintendent Contractor HUGHES DRILLING CO.

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE TALLY
		FROM	TO		
11/4/96		0	2	soil	① 220-22.0
20'		2	32	clay	② 19.5-41.5
4/5		32	42	shale	③ 22.5-64.0
new 5/8 VAGEL		42	47	Lime	④ 22.5-86.5
WT on new		47	54	shale (lamin. w/ sand 47-52)	⑤ 22.5-109.0
ubbers on		54	71	Lime	⑥ 22.5-131.5
WT p. 510-		71	76	Dark shale	⑦ 22.5-154.0
7 mud pump		76	87	Lime	⑧ 22.5-176.5
		87	91	shale	⑨ 22.5-199.0
		91	110	Lime	⑩ 22.5-221.5
		110	136	shale	⑪ 22.5-244.0
		136	158	Lime	⑫ 22.5-266.5
		158	180	shale	⑬ 22.5-289.0
		180	198	Lime	⑭ 22.5-311.5
		198	217	shale	⑮ 22.5-334.0
		217	228	Lime	⑯ 22.5-356.5
		228	238	shale	⑰ 22.5-379.0
		238	249	Lime	⑱ 22.5-401.5
		249	269	shale	⑲ 22.5-424.0
		269	273	Lime	⑳ 22.5-446.5
		273	281	shale	㉑ 22.5-469.0
		281	287	Lime	㉒ 22.5-491.5
310'		287	316	shale	㉓ 22.5-514.0
4/6		316	317	Lime	㉔ 22.5-536.5
		317	327	shale	㉕ 22.5-559.0
30'		327	353	Lime	㉖ 22.5-581.5
		353	361	shale (SLATE 357-359)	㉗ 22.5-604.0

STRATA THICKNESS	FORMATION DRILLED	T.O.
2	soil	2
30	clay	32
10	shale	42
5	Lime	47
7	shale	54
17	Lime	71
5	Dark shale	76
11	Lime	87
4	shale	91
19	Lime	110
26	shale	126
22	Lime	158
22	shale	180
11	Lime	198
26	shale	217
11	Lime	228
10	shale	238
11	Lime	249
20	shale	269
4	Lime	273
8	shale	281
6	Lime	287
29	shale	316
1	Lime	317
10	shale	327
30'	26 Lime	353
	8 shale	361
20'	22 Lime	383
	5 shale	387
	4 Lime	391
	3 shale	394
	8 Lime	402
	110 shale	512
	4 sand	516
	57 shale	572
	5 Lime	578
	4 shale	582
	2 Lime	584
	9 shale	593
	6 Lime	599
	15 shale	614

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MAY 20 1996

CONSERVATION DIVISION
WICHITA, KS

HUGHES DRILLING REPORT

SET IN PIPE

PERMANENT CSG.

TUBING

FORMATION DRILLED

Well #16 Size _____
 Farm BLANN Feet _____
 Water Streak @ _____ Cnd _____
 Water Level @ _____ Top Sand _____
 Approved _____

Size _____ Size _____
 Feet _____ Feet _____
 Cond _____ Cond _____
 T. D. at Completion 917
 Contractor HUGHES DRILLING CO.

Superintendent

DATE	HOURS OF TOUR	DRILLED		REMARKS — TYPE WORK — BILLING REF.	PIPE TALLY
		FROM	TO		
	20'	361	383	Lime	2822.5-626.5
		383	387	Shale (SLATE 386-387)	2922.5-649.0
		387	391	Lime	3022.5-671.5
		391	394	Shale	3122.5-694.0
400	(H)	394	402	Lime "Heath"	3222.5-716.5
1/8		402	512	Shale	3322.5-739.0
3 1/2	410	512	516	Sand (gray)	3422.5-761.5
11 6	0.449	516	573	Shale (Some Red bed 568-573)	3522.5-784.0
5 1/2	0.17	573	578	Lime	3622.5-806.5
		578	582	Shale	3722.5-829.0
		582	584	Lime	3822.5-851.5
		584	593	Shale	3922.5-874.0
		593	599	Lime	4022.5-896.5
		599	614	Shale	
		614	617	Lime (Brown)	
		617	628	Shale (SLATE 620-621)	
		628	633	Lime	
		633	655	Shale (Red Bed 641-647)	
		655	661	Lime	
		661	709	Shale (Lt. 665-670)	
		709	710	Lime	
		710	719	Shale	
		719	720	Lime	
		721	730	Shale	
2	0.449	730	732	Brown Sand (very lamin w/shale)	
		732	757	Shale (SLATE 756-757)	
		757	760	Lime	

STRATA THICKNESS	FORMATION DRILLED	T. D.
3	Lime	617
11	Shale	628
5	Lime	633
22	Shale	655
6	Lime	661
48	Shale	709
1	Sand	710
9	Shale	719
1	Lime	720
10	Shale	730
2	Sand	732
25	Shale	757
3	Lime	760
20	Shale	780
62	Shale	842
5	Red Bed	847
2	Shale	849
2	Hard Sand	851
7	0.1 Sand	856
14	Shale	872
19	0.45 Shale	897
16	Shale	907
4	Red Bed	911
6	Shale	917
		T. D.

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MAY 20 1966

CONSERVATION DIVISION
 WICHITA, KS

17.2

FORMATION DRILLED

Size..... Size.....
 Feet..... Feet.....
 Cond..... Cond.....
 T. D. at Completion..... 917
 Contractor **HUGHES DRILLING CO.**

Contractor **HUGHES DRILLING CO.**

[illegible]

DATE	HOURS OF TOUR	DRILLED		REMARKS - TYPE WORK - BILLING REF.	PIPE T...
		FROM	TO		
		760	780	LT. shale (some Red Bed 776-780)	
		780	842	shale	
		842	847	Red Bed	
		847	849	shale	
		849	851	Hard Sand	
2-11-50	11	851	858	O. (Sand (remarks Pg. 4))	
		858	872	shale	
		872	891	Dark Shale	
		891	907	shale	
		907	911	Red Bed	
		911	917	shale	
			TO		
4/8/96 - set 901' of 2 7/8" 8rd upset pipe used 3 centralizers Bolt in Bottom					

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MAY 20 1996

CONSERVATION DIVISION
WICHITA, KS

(Pg. 4)

CH-10
(FROM Sample)

FROM	FEET TO	TIME	MINUTES	REMARKS
849	850	C. L. Sample	}	Hard Sand (little Bleeding Oil)
850	851	"		849.851
851	852	{		Solid Sand 851-857 (Good Bleeding Oil)
852	853			
853	854			
854	855			
855	856			
856	857			
857	858	{		- Sand 10 min. 4/5 shale (Some Bleeding Oil)
858	859			
859	860			
860	861			
				(Best Perf Zone) 851-858
				(Midwest Surveys) Perfed 4/15/96 851-858 (15 shots) A Lumin. Form Wire