

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
	13-3/8"	48	H-40	ST&C	415'	400sx
	8-5/8"	32	K-55	ST&C	3904'	2600sx
	5-1/2"	17	K-55	ST&C	3805'-7754'	850sx

It is proposed to plug back this well from the currently uneconomical Drinkard completion to the Tubb. The Drinkard completion is perforated 6603'-6750' and 6837'-6946'. The Tubb will be selectively perforated with 40 holes from 6314'-6616'. This plug back operation will be performed according to the attached procedure.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED James W. Hoover TITLE Regulatory Coordinator DATE 9-18-90
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

 APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY: _____ DATE 9/20/90

***See Instructions On Reverse Side**

Plug and Abandon Drinkard, Recomplete to Monument Tubb and Test ProductivityWell Data:

TD: 7754' PBD: 6748' Elevation: 3525' (GL) KB: 3532'

Location: 2130' FSL & 1980' FEL, Sec. 23, T-20S, R-37E

Tubular Specs:

OD (in)	Weight (#/ft)	Grade	Interval (ft)	Drift ID (in)	Derated		Capacity	
					(80%) Burst (psi)	(80%) Collapse (psi)	(bbl/ft)	(ft ³ /ft)
13-3/8	48	H-40	0-415'	12.559	1400	600	.1570	.8817
8-5/8	32	K-55	0-3904'	7.796	3150	2000	.0609	.3422
5-1/2	17	K-55	0-7754'	4.767	4250	3900	.0232	.1305
2-7/8	6.5	N-80	Workstring	2.347	8900	8450	.00579	.03250

Drinkard Perfs: 6603'-6750', 6837'-6946' w/1 JSPF

Procedure Summary:

1. MIRU. POOH with production equipment.
2. Spot cement plug on retainer back to 6675'.
3. RIH with 2-7/8" workstring and a 5-1/2"-17# scraper to 6675'. POOH and lay down scraper.
4. Pressure test casing to 500 psig.
5. Selectively perforate Tubb from 6314' to 6616'.
6. Perform acid breakdown.
7. Swab/flow back load and obtain production test.
8. Perform foam acid frac.
9. Swab/flow back load and obtain production test.
- 10a) If well is commercial, an AFE for production equipment will follow.
- 10b) If uneconomical, set CIBP at 6275'. A plug and abandonment procedure will follow.