

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form approved,
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other ☐
b. TYPE OF COMPLETION:					
NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. REVS. ☐	Other ☐
2. NAME OF OPERATOR Bettis, Royle & Stovall					
3. ADDRESS OF OPERATOR P. O. Box 1240, Graham, Texas 76046					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1235' FSL & 1515' FWL At top prod. interval reported below At total depth Same					
14. PERMIT NO.		DATE ISSUED Nov 30 1989			
15. DATE STUDDED 2-7-88		16. DATE T.D. REACHED 4-27-88		17. DATE COMPL. (Ready to prod.) 9-15-88	
18. ELEVATIONS (OF, RKR, RT, GR, ETC.)* 3021.2 GR		19. ELEV. CASINGHEAD 3023			
20. TOTAL DEPTH, MD & TVD 14000'		21. PLUG BACK T.D., MD & TVD 13955'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY 0-14000'		ROTARY TOOLS		CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 13255'-13263'					
25. WAS DIRECTIONAL SURVEY MADE No					
26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Laterolog, Micro-SFL, Neutron, Litho-Density					
27. WAS WELL CORED No					
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	
20"	94#	620'	26"	1250 sx (750sx 1t + 500 sx, Class C)	
13 3/8"	68#	3070'	17 1/2"	4600 sx (4100sx 1t + 500 sx, Class C)	
9 5/8"	43.50# & 47#	10,260'	12 1/4"	1125 sx (562 sx Pozmix + 563 sx, premium)	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
7 5/8"	10,037'	12,956'	950 sx		
5 1/2"	12,797'	13,997'	200 sx		
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
2 7/8"	13194'	13194'			
31. PERFORATION RECORD (Interval, size and number)					
5090' (2 holes) (Squeeze off) 5270' (2 holes) (Squeeze off) 13255-13263' (33 holes)					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
5090'		Squeeze 200 sx Class H			
5270'		Squeeze 200 sx Class H			
13255'-63'		Natural Completion			
33. PRODUCTION					
DATE FIRST PRODUCTION 9-15-88		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 7-11-88	HOURS TESTED 2	CHOKER SIZE 16/64	PROD'N. FOR TEST PERIOD TSTM	OIL—BBL. 287.2	GAS—MCF. TSTM
FLOW. TUBING PRESS. 4750	CASING PRESSURE 0	CALCULATED 24-HOUR RATE TSTM	OIL—BBL. 6893	GAS—MCF. TSTM	WATER—BBL. TSTM
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented					
35. LIST OF ATTACHMENTS Drilling & Completion Reports, DST Reports, Inclination Report					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED [Signature]		TITLE Petroleum Engineer		DATE 9-29-88	

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (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):

FORMATION			DESCRIPTION, CONTENTS, ETC.		GEOLOGIC MARKERS	
TOP	BOTTOM			NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Lamar Lm.	3085'		Limestone	Lamar Lime	3085'	
Bell Canyon	3113'		Sand Shale & Lime	Bell Canyon	3113'	
Cherry Canyon	3044'		Sandstone w/ Shale & Lime Stracks	Cherry Canyon	3044'	
Brushy Canyon	5163'		Sandstone w/ Shale Stracks	Brushy Canyon	5163'	
Bone Springs	6862'		Lime & Shale w/ Sand Stracks	Bone Springs	6862'	
1st Bone Springs Sd.	7764'		Sand w/ Shale & Lime Stracks	1st Bone Springs Sd.	7764'	
2nd Bone Springs Sd.	8550'		Sand w/ Shale & Lime Stracks	2nd Bone Springs Sd.	8550'	
3rd Bone Springs Sd.	9686'		Sand w/ Shale & Lime Stracks	3rd Bone Springs Sd.	9686'	
Wolfcamp	10064'		Sand w/ Shale & Lime Stracks	Wolfcamp	10064'	
	12300'		Limestone w/ Shale Stracks		12300'	
Strawn	12620'		DST #1 (11280' - 11420') (See Below)	Strawn	12620'	
Upper Atoka	12712'		DST #2 (12310' - 12404') (See Below)	Upper Atoka	12712'	
Atoka Bank	12740'		Shale w/ Sand & Lime Stracks	Atoka Bank	12740'	
Middle Atoka	12740'		Limestone; DST #3 (12711' - 12766') (See Below)	Middle Atoka	12740'	
Lower Atoka	12984'		Shale w/ Sand & Lime Stracks	Lower Atoka	12984'	
Upper Morrow	13160'		Shale w/ Sand & Lime Stracks	Upper Morrow	13160'	
Middle Morrow	13600'		Chert, Limestone & Shale w/ Sand Stracks	Middle Morrow	13600'	
Lower Morrow	13940'		Limestone, Chert & Sand	Lower Morrow	13940'	
	14000 T.D.		Shale w/ Lime & Sand Stracks	T.D.	14000'	

INTERVAL - 11280' - 11420' (Wolfcamp) DST NO. 1 3-18-88
 INTERVAL - 12300' - 12404' (Strawn) DST NO. 2 3-26-88
 INTERVAL - 12711' - 12766' (Atoka Bank) DST NO. 3 3-3-88

PRESSURE DATA		min	
IHP	5435	5228	2
FIF	947	697	15
FFF	947	697	15
ISI	1409	1132	60
SIF	947	697	120
SFF	1271	1002	162
FSI	5324	5228	162
FHP	224		
BHT			

SURFACE PERFORMANCE:
 OPEN WALK BLOW, INCR TO GOOD BLOW ON BOTTOM OF BUCKET, NO GAS TO SURFACE
 DRILL PIPE RECOVERY:
 UNKNOWN, PERFORATED DRILL PIPE TO CIRCULATE GAS IN ANNULUS

SAMPLER RECOVERY:
 PSI 660
 CFI GAS 1917
 CC MUD 1700

PRESSURE DATA		min	
IHP	7956	7948	2
FIF	936	915	15
FFF	1032	980	60
ISI	7167	7139	120
SIF	1032	980	120
SFF	1735	1757	240
FSI	5299	5289	240
FHP	7956	7948	240
BHT	182	182	

SURFACE PERFORMANCE:
 GAS TO SURFACE 15 MIN INTO FIRST SHUT IN, PSI INCR - 570 + 35' FLARE ON SECOND FLOW
 DRILL PIPE RECOVERY:
 1440' WATER CUSHION

SAMPLER RECOVERY:
 PSI 380
 CFI GAS 2702
 CC MUD 200

PRESSURE DATA		min	
IHP	8428	8422	2
FIF	1383	1434	15
ISI	7704	7761	60
SIF	1479	1466	120
FSI	7704	7761	240
FHP	8396	8432	240
BHT	195	195	

SURFACE PERFORMANCE:
 GAS TO SURFACE 75 MIN, 6' FLARE 1/4" CHOKE F
 DRILL PIPE RECOVERY:
 3160' WATER + 1000' MUD

SAMPLER RECOVERY:
 PSI 1500
 CFI GAS 933
 CC WATER 950