

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

LEASE DESIGNATION AND SERIAL NO.

NM 100871

IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

FARM OR LEASE NAME, WELL NO.

Bluitt "8" Fed #2

API WELL NO.

30-041-20897

FIELD AND POOL, OR WILDCAT

Bluitt San Andres Assoc

SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 8, T-8-S, R-37-E

COUNTY OR PARISH
Roosevelt New Mexico

ELEVATIONS (OF. RKB, RT, GR, ETC.)*
4046 GR

ELEV. CASINGHEAD
4046 GR

INTERVALS DRILLED BY
Rotary

ROTARY TOOLS
CABLE TOOLS

WAS DIRECTIONAL SURVEY MADE
No

WAS WELL CORRD
No

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other ☐

3. NAME OF OPERATOR

OGS Operating Company, Inc.

4. ADDRESS AND TELEPHONE NO.
550 W. Texas, Suite 1140
Midland, Texas 79701 (915) 682-6373

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface (P) 685' FSL & 835' FSL

At top prod. interval reported below

At total depth

PERMIT NO. DATE ISSUED

Aug. 29, 2001

15. DATE SPUDDED 8-28-2002 16. DATE T.D. REACHED 9-3-2002 17. DATE COMPLETED (Ready to prod.) 9-30-2002

20. TOTAL DEPTH, MD & TVD 4733 MD 21. PLUG, BACK T.D., MD & TVD 4704 MD 22. IF MULTIPLE COMPL., HOW MANY*

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4606-4695 San Andres P1

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR-CNL-CCL

29. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8" J-55	28.0	499	12 1/4"	275 SX Circ to surface	None
4 1/2" J-55	11.6	4733	7 7/8"	665 SX in two stages	None

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	4598	NA

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4606-4695	0.32"	14 holes	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
			4606-4695	2500 gal acid, Frac 15,000 gal & 26,500# sand

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or Shut-in)	
9-30-2002		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-2-2002	8	16/64"		0	286.2	0	
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO (CORR.)	
1001	1001		0	1717 AOF	0	0	

34. DISPOSITION OF GAS (Bold, used for fuel, vented, etc.)
Sold

35. LIST OF ATTACHMENTS
GR-CNL-CCL log, Deviation Survey Record, NMOCD Multipoint Test

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED James B. Stinson TITLE Drilling Superintendent DATE 10-9-2002

*(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	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Anhydrite Yates San Andres P1 Marker	2270' 2645' 3902' 4453'	

Form C-122
Revised October, 1960

Operator										Lease or Unit Name									
OGS OPERATING CO., INC.										BLUITT "8" FED.									
Type Test										Test Date					Well No.				
☒ Initial ☐ Annual ☐ Special										10/2/02					2				
Completion Date					Total Depth					Plug Back TD					Elevation				
9-30-02					4733					4704					4046 GR				
Csg. Size					Wt.					Set At					Perforations:				
4 1/2					11.6					2.441					4733				
Tbg. Size					Wt.					Set At					Perforations:				
2 3/8					4.7					1.995					4598				
Type Well-Single-Bradenhead-G.G. or G.O. Multiple										Packer Set At					Formation				
SINGLE										NONE					San Andres P1				
Producing Thru					Reservoir Temp. °F					Mean Annual Temp. °F					Baro. Press. - P _a				
Tbg. Size					120.1 @ 4606					60					13.2				
L		H		Gg		%CO ₂		%N ₂		%H ₂ S		Prover		Meter Run		Taps			
4606		4606		0.7268						N/A		N/A		2.067		FLG			
FLOW DATA										TUBING DATA					CASING DATA				
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Press p.s.i.g.	Temp. °F	Duration of Flow					
SI														72 HRS					
1	2 X 1.500		57	21	65	1001				N/A				2 HRS					
2	2 X 1.500		59	36	55	929				"				"					
3	2 X 1.500		71	47	54	834				"				"					
4	2 X 1.500		78	59	52	729				"				"					
5																			
RATE OF FLOW CALCULATIONS																			
No.	COEFFICIENT (24 Hour)		√ h _{P_m}	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd											
1	12.76		38.4	70.2	0.9952	1.174	1.011	579											
2	12.76		50.98	72.2	1.005	1.174	1.011	776											
3	12.76		62.91	84.2	1.006	1.174	1.011	958											
4	12.76		73.4	91.2	1.008	1.174	1.011	1,121											
5																			
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio		DRY GAS		Moisture										
1	0.1	525	1.31	1.011	A.P. I. Gravity of Liquid Hydrocarbons		DPV		Deg										
2	0.11	515	1.29	1.011	Specific Gravity Separator Gas		0.7268		XXXXXX										
3	0.12	514	1.29	1.011	Specific Gravity Flowing Fluid		XXXXXX												
4	0.13	512	1.28	1.011	Critical Pressure		668		P.S.I.A.										
5					Critical Temperature		398		R.										
P _e		1189.2		P ₂		1414.2													
No.	P ₁ ²	P _w	P _w ²	P _e ² - P _w ²	$P_c^2 = \frac{1.679}{P_c^2 - P_w^2} (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.532$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.717$														
1		1016.8	1033.9	180.3															
2		947.3	897.4	516.8															
3		856.1	732.8	681.4															
4		756.4	572.1	842.1															
5					79825														
Absolute Open Flow					1.717					Mcfd @ 15.025									
Angle of Slope Q:					50.58					Slope n:									
0.823																			
REMARKS:										WELL PRODUCED NO FLUID									
Approved By Division:					Conducted By:					Calculated By:									
					FLO TEST					BM									
Checked By:					BM														

