

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
1625 N. French Dr
Hobbs, NM 88240

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
SAGA PETROLEUM LLC

3a. Address
415 W WALL, SUITE 1900 MIDLAND, TX 79701

3b. Phone No. (include area code)
(915)684-4293

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 1980' FWL Sec 13 (N) T8S, R37E

5. Lease Serial No.
NMNM044216

6. If Indian, Allottee or Tribe Name

7. If Unit or C/A Agreement, Name and/or No.

8. Well Name and No.
Bluitt SA 13 Federal #14

9. API Well No.
30-041-20220

10. Field and Pool, or Exploratory Area
Bluitt San Andres Assoc

11. County or Parish, State
**Roosevelt
NM**

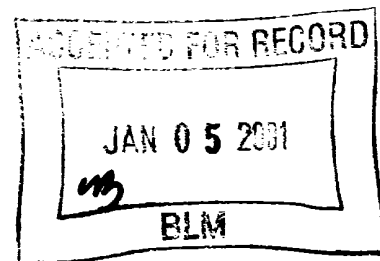
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Sales Meter
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Well is tied in to Sales Meter 1611A (formerly assigned to Bluitt 24 C Federal #3 Well)

FYI - Dynegy is to set a separate/new meter for Bluitt 24 C Fed #3



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Bonnie Husband

Title
PRODUCTION ANALYST

Signature

Date
12/11/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil & Gas Division
1625 N. French Dr.
Hobbs, NM 88240

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

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2. Name of Operator

SAGA PETROLEUM LLC

3a. Address

415 W WALL, SUITE 1900 MIDLAND, TX 79701

3b. Phone No. (include area code)

(915)684-4219

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660' FSL & 1980' FWL Sec 13 (N) T8S, R37E

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8-18-2000 Tied in to sales line.

9-2 Flowed 433 MCF & 3 BW on open choke w/FTP 80 psi, 72 BLTR

Also enclosed is 4 point CAOF test

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Bonnie Husband

Title

PRODUCTION ANALYST

Signature

Bonnie Husband

Date

09/14/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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(Instructions on reverse)

RECEIVED
SEP 17 2000
BLM
ROSWELL, NM

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Saga Petroleum LLC 415 W Wall, Suite 1900 Midland, TX 79701		² OGRID Number 148967
⁴ API Number 30-041-20220	⁵ Pool Name Bluitt San Andres Associated	⁶ Pool Code 06880
⁷ Property Code 25447	⁸ Property Name Bluitt SA 13 Federal	⁹ Well Number 14

II. ¹² Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	13	8S	37E		660	S	1980	W	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 08/22/2000	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
024650	DYNEGY MIDSTREAM SER LP 1000 LOUISIANA, STE 5800 HOUSTON, TX 77002	28/2993	G	C-24-85-37E

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description N-13-8S-37E
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V. Well Completion Data

²⁵ Spud Date 07/09/2000	²⁶ Ready Date 07/24/2000	²⁷ TD 4733'	²⁸ XXXX Pkr @ 4496'	²⁹ Perforations 4538'-4592'
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	
12-1/4"	8-5/8" 20 & 28#	305' KB	150 sx Prem Plus	
7-7/8"	4-1/2" 9.5#	4733'	200 sx Prem Plus	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
	08/19/2000	08/30/2000	24 hrs	95	
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method
open		2	447	861.2	Flow

⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been compiled with and the information given above is true and complete to the best of my knowledge and belief.

Signature: *Bonnie Husband*

Printed name:
Bonnie Husband

Title:
Production Analyst

Date:
09/13/2000

Phone:
(915)684-4293

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
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Form 3160-5
(November 1994)UNITED STATES
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BUREAU OF LAND MANAGEMENT**SUNDRY NOTICES AND REPORTS ON WELLS**
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7-9-2000 Load csg w/2% KCL, press test csg to 1000 psi, good.

7-11 Perf 1 JSPF 4538'-4592'

7-14 Tally in hole w/4-1/2" scraper on 2-3/8" tbg to 4523', POOH w/scraper & tbg. PY 4-1/2" 9.5# Lokset pkr w/2-3/8" SN & tally in hole to 4496'. Displace w/60 bbls inhibited wtr, set pkr @ 4496'. Flange up WH, press csg to 700 psi-ok

7-23 Frac w/5000 gal 30# borate xlink gel pad & in 4 stages of 2000 gal each 30# borate xlink gel & total 20,000# sd (1 to 4 ppg 20/40) AIR 12 BPM, total fluid 341 bbls, ISIP 1300 psi, 15 mins 900 psi.

7-24 Hooked up to frac tank on 20/64" choke, after 4 hrs, FTP 120 psi

8-5 4 pt AOF SITP 710 psi, SIBHP 823 psig @ 4496', BHT 112 F, Meter 3.068", Orifice 1.250" S.G.=0.734, 1 hr flow, FTP 680 psig @ 197 MCFGPD. Prep to tie in to sales line.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Bonnie Husband

Title

PRODUCTION ASSISTANT

Signature

Date

08/16/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

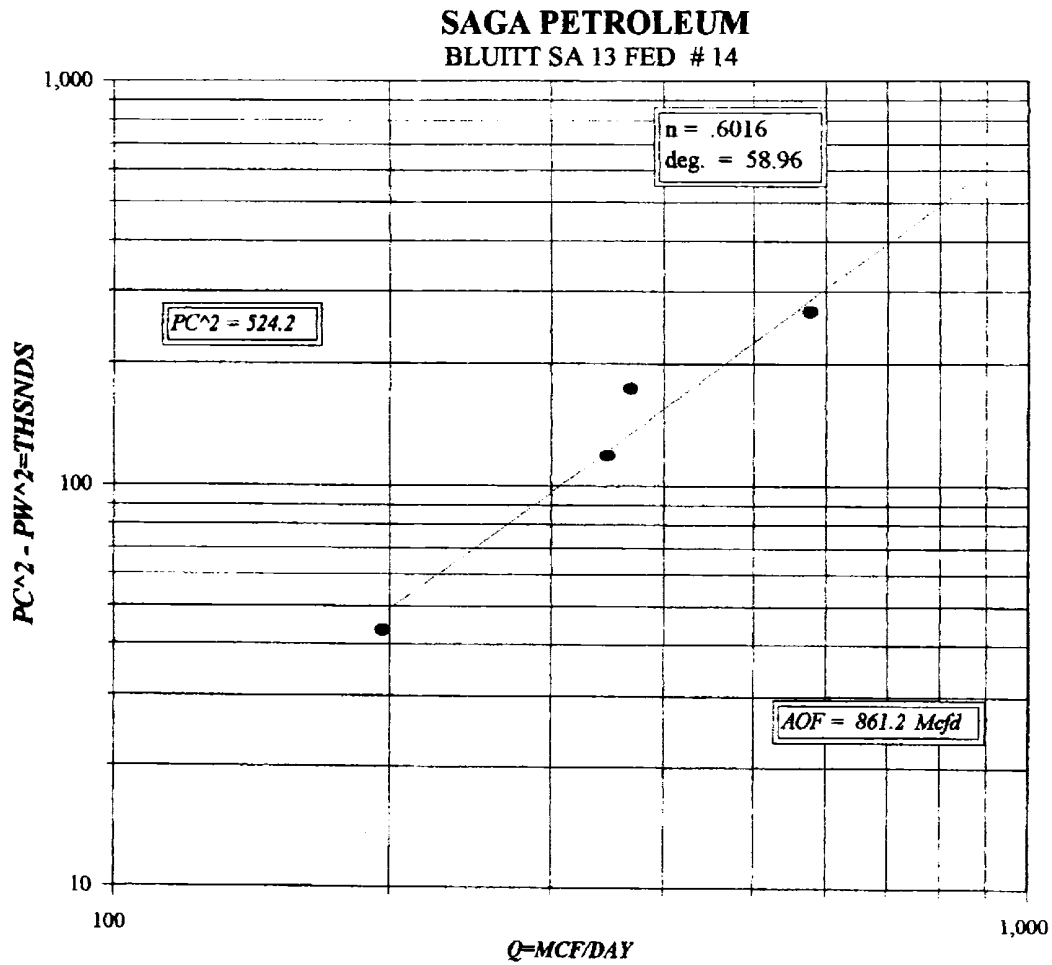
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(Instructions on reverse)



WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURE (Pc or Pw)		FORM C-122F							
FROM KNOWN BOTTOM HOLE PRESSURE (Pf or Ps)									
COMPANY SAGA	LEASE : BLUETT 13 WELL NO. : 14	DATE 8/5/00							
UNIT L	SECTION : 4496	TWNSHP :	RANGE :						
	H : 4496	L/H : 1	G/GMIX : 0.7340						
	CO2 : 5.789	N2 : 6.925	H2S :						
	GR : 3300.1	PCR : 679	TCR : 371						

LINE		1	2	3	4	5	6	7	8
1	TW(W.H. R)	534	534	534	534	534	534	534	534
2	Ts(B.H. R)	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
3	T=(Tw+Ts/2)	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5
4	Z (EST.)	0.925	0.868	ERR	ERR	ERR	ERR	ERR	ERR
5	TZ	515	483	ERR	ERR	ERR	ERR	ERR	ERR
6	GH/TZ	6.413	6.835	ERR	ERR	ERR	ERR	ERR	ERR
7	eS(TABLE XIV)	1.272	1.292	ERR	ERR	ERR	ERR	ERR	ERR
8	Pf or Ps	822.95	822.95	0	0	0	0	0	0
9	Pf2 or Ps2	677.2	677.2	0.0	0.0	0.0	0.0	0.0	0.0
10	Pc2=Pf/eS or Pw2=Ps2/eS	532.5	524.1	ERR	ERR	ERR	ERR	ERR	ERR
11	Pc or Pw	730	724	ERR	ERR	ERR	ERR	ERR	ERR
12	P=(Pw+Ps/2)or(Pc+Pf/2)	776	773	ERR	ERR	ERR	ERR	ERR	ERR
13	Pr=(P/PCR)	1.14	1.14	ERR	ERR	ERR	ERR	ERR	ERR
14	Tr(T/TCR)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
15	Z (TABLE XI)	0.868	0.868	ERR	ERR	ERR	ERR	ERR	ERR

PC 1 : 724.0 PW 2 : ERR PW 3 : ERR PW 4 : ERR

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURE (Pc or Pw) FROM KNOWN BOTTOM HOLE PRESSURE (Pf or Ps)		FORM C-122P							
COMPANY SAGA		LEASE : BLUITY 13 WELL NO. :		14		DATE 8/5/00			
UNIT		SECTION :		TWNERSHP :		RANGE :			
L		4496		R : 4496		L/H : 1		G/GMIX : 0.7340	
		CO2 : 5.789		N2 : 6.925		H2S :			
		GH : 3300.1		PCR : 679		TCR : 371			
LINE		1	2	3	4	5	6	7	8
1	TH(W.H. R)	534	534	534	534	534	534	534	534
2	Ts(B.H. R)	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
3	T=(Tw+Ts/2)	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5
4	Z (EST.)	0.930	0.872	0.875	0.880	0.882	0.887	0.895	0.899
5	TZ	517	485	487	490	491	494	498	500
6	GH/TZ	6.379	6.801	6.779	6.735	6.727	6.687	6.629	6.595
7	eS(TABLE XIV)	1.270	1.291	1.289	1.287	1.287	1.285	1.282	1.281
8	Pf or Ps	787.7	787.7	722	722	670.9	670.9	574	574
9	Pf2 or Ps2	620.5	620.5	521.3	521.3	450.1	450.1	329.5	329.5
10	Pc2=Pf/eS or Pw2=Ps2/eS	488.5	480.8	404.3	404.9	349.8	350.3	257.0	257.3
11	Pc or Pw	699	693	636	636	591	592	507	507
12	P=(Pw+Ps/2) or (Pc+Pf/2)	743	741	679	679	631	631	540	541
13	Pr=(P/PCR)	1.09	1.09	1.00	1.00	0.93	0.93	0.80	0.80
14	Tr=T/TCR	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
15	Z (TABLE XI)	0.872	0.872	0.880	0.880	0.887	0.887	0.899	0.899

PW 1 : 693.4 PW 2 : 636.3 PW 3 : 591.8 PW 4 : 507.2

Laboratory Services, Inc.
 4016 Fiesta Drive
 Hobbs, New Mexico 88240

Telephone: (505) 397-3713

 FOR: Pro Well Testing & wireline
 P. O. Box 791
 Hobbs, New Mexico 88241

 SAMPLE:
 IDENTIFICATION: Blatta SAG #1814
 COMPANY: Saga Petroleum
 LEASE:
 PLANT:

 SAMPLE DATA: DATE SAMPLED: 8/6/00
 ANALYSIS DATE: 8/6/00
 PRESSURE - PSIG
 SAMPLE TEMP. °F
 ATMOS. TEMP. °F

 GAS (XX) LIQUID ()
 SAMPLED BY: R. Hicks
 ANALYSIS BY: Vickie Walker

REMARKS: Sample taken @ the meter run.

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	6.825	
Carbon Dioxide (CO2)	6.789	
Methane (C1)	75.308	
Ethane (C2)	7.005	1.869
Propane (C3)	3.043	0.826
I-Butane (IC4)	0.349	0.114
N-Butane (NC4)	0.779	0.245
I-Pentane (IC5)	0.192	0.070
N-Pentane (NC5)	0.208	0.075
Hexane Plus (C6+)	0.352	0.153
	100.000	3.352

 BTU/CU.FT. - DRY 1031
 AT 14.650 DRY 1027
 AT 14.650 WET 1009
 AT 14.73 DRY 1033
 AT 14.73 WET 1015

MOLECULAR WT. 21.2815

 SPECIFIC GRAVITY -
 CALCULATED 0.734
 MEASURED

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator SAGA PETROLEUM					Lease or Unit Name BLUITT SA 13 FED				
Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 8/5/00		Well No. 14		
Completion Date		Total Depth 4733		Plug Back TD		Elevation		Unit Ltr - Sec - TWP - Rge 13 8-S 37-E	
Csg. Size 4 1/2	Wt. 9.5	d 4.09	Set At 4733	Perforations: From: 4538 To: 4592		County ROOSEVELT			
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 4496	Perforations: From: To:		Pool			
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 4496		Formation SAN ANDRES			
Producing Thru TUBING		Reservoir Temp. °F 112	Mean Annual Temp. °F 60	Baro. Press. - P ₁ 13.2		Connection AIR			
L 4496	H 4496	Gg 0.734	%CO ₂ 5.789	%N ₂ 6.925	%H ₂ S	Prover	Meter Run 3.068	Taps FLG	

FLOW DATA				TUBING DATA			CASING DATA			Duration of Flow
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	
SI						710				
1	3.068 X 1.250		50	7.5	78	680	N/A	PKR	N/A	1 HR
2	3.068 X 1.250		50	23	78	628				1 HR
3	3.068 X 1.250		50	26	78	573				1 HR
4	3.068 X 1.250		50	64	78	460				1 HR
5										

RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1	7.577	21.7	63.2	0.9831	1.167	1.048	197
2	7.577	38.1	63.2	0.9831	1.167	1.048	347
3	7.577	40.5	63.2	0.9831	1.167	1.048	368
4	7.577	63.5	63.2	0.9831	1.167	1.048	578
5							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mer'bbl.
1	0.79	538	1.45	0.911	N/A	
2	0.79	538	1.45	0.911	N/A	
3	0.79	538	1.45	0.911	0.734	XXXXXX
4	0.79	538	1.45	0.911	N/A	XXXXXX
5					Critical Pressure	679 P.S.I.A. P.S.I.A.
					Critical Temperature	371 R. R. R.

P _c 724 P _{c2} 524.2			
No.	P _t ²	P _w	P _w ²
1		693.4	480.8
2		636.3	404.9
3		591.8	350.2
4		507.2	257.2
5			

(1) $P_c^2 = \frac{1.96}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.49$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 861.2$

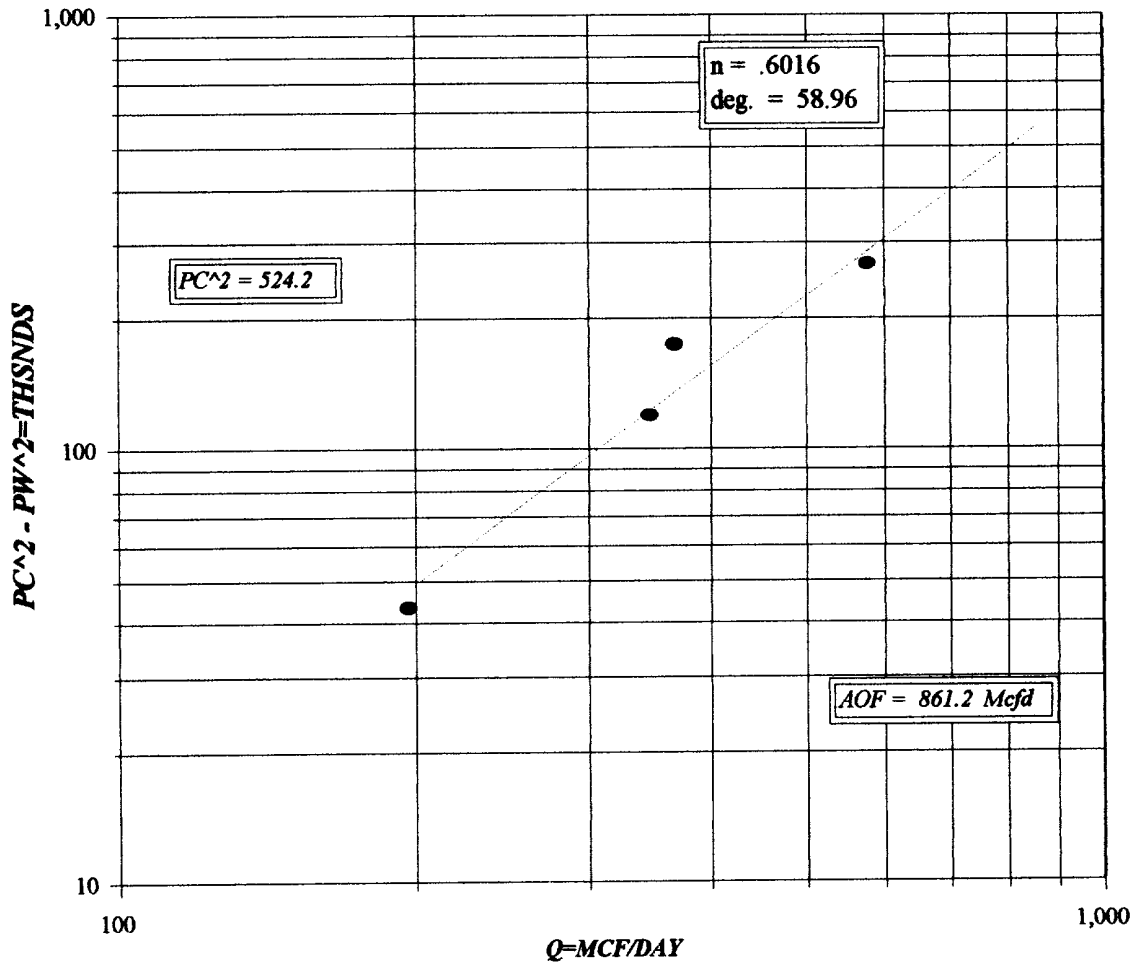
79825

Absolute Open Flow	861.2	Mcfd @ 15.025	Angle of Slope (°)	58.96	Slope n:	60.16
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Remarks: **CALCULATED FROM KNOWN BOTTOM HOLE PRESSURES /NO LIQUID MADE DURING TEST.**

Approved By Division:	Conducted By: PRO WELL TESTING	Calculated By: MB	Checked By: BM
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SAGA PETROLEUM
BLUITT SA 13 FED # 14



WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURE (Pc or Pw)
FROM KNOWN BOTTOM HOLE PRESSURE (Pf or Ps)

FORM C-122F

COMPANY SAGA

LEASE : BLUITT 13 WELL NO. : 14 DATE 8/5/00
SECTION : TOWNSHIP : RANGE :
L 4496 H : 4496 L/H : 1 G/GMIX : 0.7340
CO2 : 5.789 N2 : 6.925 H2S :
GH : 3300.1 PCR : 679 TCR : 371

LINE		1	2	3	4	5	6	7	8
1	TW(W.H. R)	534	534	534	534	534	534	534	534
2	Ts(B.H. R)	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
3	T=(Tw+Ts/2)	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5
4	Z (EST.)	0.925	0.868	ERR	ERR	ERR	ERR	ERR	ERR
5	TZ	515	483	ERR	ERR	ERR	ERR	ERR	ERR
6	GH/TZ	6.413	6.835	ERR	ERR	ERR	ERR	ERR	ERR
7	eS(TABLE XIV)	1.272	1.292	ERR	ERR	ERR	ERR	ERR	ERR
8	Pf or Ps	822.95	822.95	0	0	0	0	0	0
9	Pf2 or Ps2	677.2	677.2	0.0	0.0	0.0	0.0	0.0	0.0
10	Pc2=Pf/eS or Pw2=Ps2/eS	532.5	524.1	ERR	ERR	ERR	ERR	ERR	ERR
11	Pc or Pw	730	724	ERR	ERR	ERR	ERR	ERR	ERR
12	P=(Pw+Ps/2)or(Pc+Pf/2)	776	773	ERR	ERR	ERR	ERR	ERR	ERR
13	Pr=(P/Pcr)	1.14	1.14	ERR	ERR	ERR	ERR	ERR	ERR
14	Tr(T/Tcr)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
15	Z (TABLE XI)	0.868	0.868	ERR	ERR	ERR	ERR	ERR	ERR

PC ~~P~~ 1 : 724.0 PW 2 : ERR PW 3 : ERR PW 4 : ERR

WORK SHEET FOR CALCULATION OF WELLHEAD PRESSURE (Pc or Pw)
FROM KNOWN BOTTOM HOLE PRESSURE (Pf or Ps)

FORM C-122F

COMPANY SAGA

LEASE : BLUETT 13 WELL NO. : 14 DATE 8/5/00

UNIT

SECTION : TOWNSHIP : RANGE :

L

4496 H : 4496 L/H : 1 G/GMIX : 0.7340

CO2 : 5.789 N2 : 6.925 H2S :

GH : 3300.1 PCR : 679 TCR : 371

LINE		1	2	3	4	5	6	7	8
1	TW(W.H. R)	534	534	534	534	534	534	534	534
2	Ts(B.H. R)	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
3	T=(Tw+Ts/2)	556.5	556.5	556.5	556.5	556.5	556.5	556.5	556.5
4	Z (EST.)	0.930	0.872	0.875	0.880	0.882	0.887	0.895	0.899
5	TZ	517	485	487	490	491	494	498	500
6	GH/TZ	6.379	6.801	6.779	6.735	6.727	6.687	6.629	6.595
7	eS(TABLE XIV)	1.270	1.291	1.289	1.287	1.287	1.285	1.282	1.281
8	Pf or Ps	787.7	787.7	722	722	670.9	670.9	574	574
9	Pf2 or Ps2	620.5	620.5	521.3	521.3	450.1	450.1	329.5	329.5
10	Pc2=Pf/eS or Pw2=Ps2/eS	488.5	480.8	404.3	404.9	349.8	350.3	257.0	257.3
11	Pc or Pw	699	693	636	636	591	592	507	507
12	P=(Pw+Ps/2)or(Pc+Pf/2)	743	741	679	679	631	631	540	541
13	Pr=(P/PCR)	1.09	1.09	1.00	1.00	0.93	0.93	0.80	0.80
14	Tr=(T/TCR)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
15	Z (TABLE XI)	0.872	0.872	0.880	0.880	0.887	0.887	0.899	0.899

PW 1 : 693.4 PW 2 : 636.3 PW 3 : 591.8 PW 4 : 507.2



Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pro Well Testing & wireline
P. O. Box 791
Hobbs, New Mexico 88241

SAMPLE:
IDENTIFICATION: Bluff SAU #1314
COMPANY: Saga Petroleum
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 8/5/00
ANALYSIS DATE: 8/6/00
PRESSURE - PSIG
SAMPLE TEMP. °F
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: R. Hicks
ANALYSIS BY: Vickie Walker

REMARKS: Sample taken @ the meter run.

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	6.925	
Carbon Dioxide (CO2)	5.789	
Methane (C1)	75.398	
Ethane (C2)	7.005	1.809
Propane (C3)	3.003	0.826
I-Butane (IC4)	0.349	0.114
N-Butane (NC4)	0.779	0.245
I-Pentane (IC5)	0.192	0.070
N-Pentane (NC5)	0.208	0.075
Hexane Plus (C6+)	0.362	0.153
	100.000	3.352

BTU/CU.FT. - DRY 1031
AT 14.650 DRY 1027
AT 14.650 WET 1009
AT 14.73 DRY 1033
AT 14.73 WET 1015

MOLECULAR WT. 21.2815

SPECIFIC GRAVITY -
CALCULATED 0.734
MEASURED

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Artesia, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 1994
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-041-20220		² Pool Code 06880		³ Pool Name Bluitt San Andres Assoc	
⁴ Property Code 025447		⁵ Property Name Bluitt SA 13 Federal			⁶ Well Number 14
⁷ OGRID No. 148967		⁸ Operator Name Saga Petroleum LLC			⁹ Elevation

¹⁰ Surface Location

UL or lot no. N	Section 13	Township 8S	Range 37E	Lot Idn	Feet from the 660	North/South line S	Feet from the 1980	East/West line W	County ROOSEVELT
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 80*	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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* Share allowable w/S2 Section 320 acres

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16				<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Bonnie Husband</i></p> <p>Signature</p> <p>Printed Name BONNIE HUSBAND</p> <p>Title PRODUCTION ANALYST</p> <p>Date 09/21/2000</p>
	#11 Q			<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>Certificate Number</p>

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons Division
1625 N. French Dr.
Hobbs, NM 88240

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

SAGA PETROLEUM LLC

3a. Address

415 W WALL, SUITE 1900 MIDLAND, TX 79701

3b. Phone No. (include area code)

(915)684-4219

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL & 1980' FWL Sec 13 (N) T8S, R37E

5. Lease Serial No.

NMNM044216

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Bluitt SA 13 Federal #14

9. API Well No.

30-041-20220

10. Field and Pool, or Exploratory Area

Bluitt San Andres Assoc

11. County or Parish, State

Roosevelt

NM

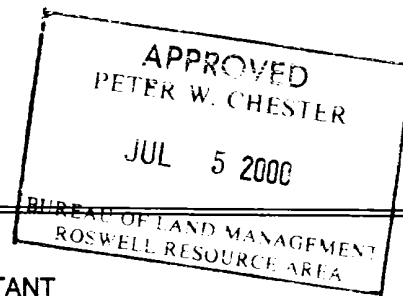
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Recomplete in the P1 San Andres gas zone

Load & test csg to 1000, selectively perf 4538 - 92' w/1 JSPF (14 holes). Spot 150 gal 15% NEFE across perfs. Set pkr 4488', swab. Frac w/5000 gal 30# borate xlink gel pad, 8000 gal 30# borate xlink w/ 1-4 ppg 20/40 &/or 16/30 mesh sand (4 steps 2000 gal each) Flow well for clean up, SI for 72-96 hrs, RIH w/gauge & conduct 4 pt CAOF test.



14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Bonnie Husband

Title

PRODUCTION ASSISTANT

Signature

Bonnie Husband

Date

06/19/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious fraudulent statements or representations as to any matter within its jurisdiction.