

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

5. Lease Designation and Serial No.

U-23161

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

2. Name of Operator

Wexpro Company

Bug

9. Well No.

16

3. Address of Operator

P.O. Box 1129, Rock Springs, Wyoming 82901

10. Field and Pool, or Wildcat

Midcat Development

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface NE 1/4 SW 1/4 Section 17, T.36S., R.26E., 2113' FWL,

At proposed prod. zone 1966' FSL

11. Sec., T., R., M., or Blk. and Survey or Area

S.17, T.36S., R.26E.

14. Distance in miles and direction from nearest town or post office\*

13 miles to Dove Creek, Colorado

12. County or Parrish 13. State  
San Juan Utah

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest dir. line, if any)

1966' FSL

16. No. of acres in lease

640

17. No. of acres assigned to this well

--

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.

Bug 4, TD 5230' NE SW S16, T36S, R26E

19. Proposed depth

6405'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

GR 6610'

22. Approx. date work will start\*

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

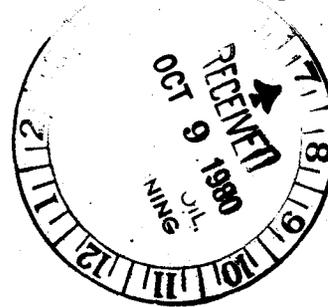
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	9-5/8"	36#	2040'	935 Sks. Reg. "G" cement w/3% CaC
8-3/4"	5-1/2"	17#	6405'	To be determined from caliper log

Wexpro Company proposes to drill the subject well to a total depth of 6,405'.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 10/15/80

BY: *[Signature]*



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.

24.

Signed: *[Signature]*

Title: Division Engr.

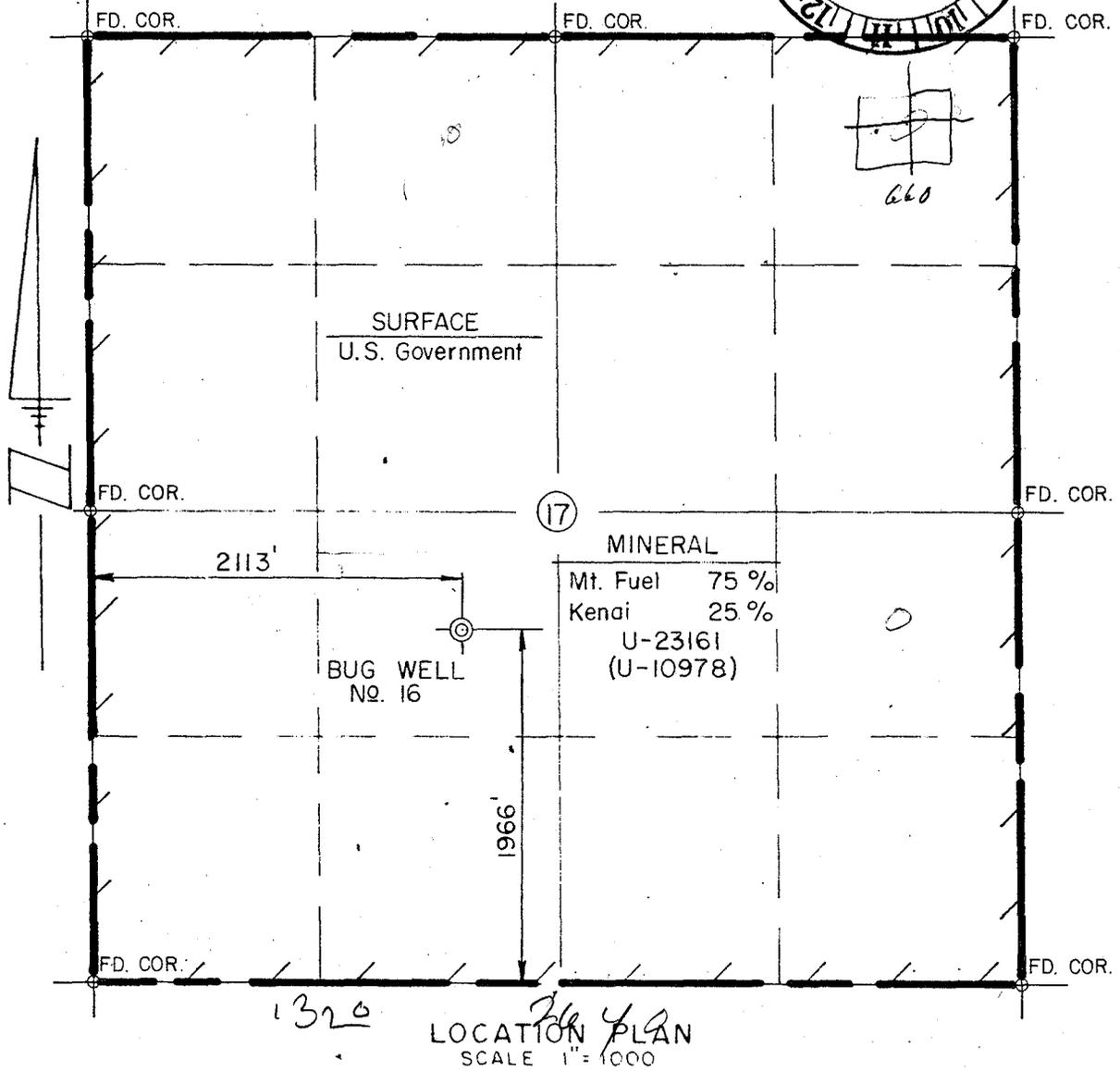
Date: 10/3/80

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date  
Conditions of approval, if any:

T. 36 S., R. 26 E., S.L.B. & M  
San Juan County, Utah



LOCATION PLAN  
SCALE 1" = 1000

Surface   
 Mineral

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge.

LEGEND

- Well
- Stone Corner
- Pipe Corner

*Brent J. Bai*  
ENGINEER

BRENT J. BAI, UTAH L.S. Registration No. 5031

ENGINEERING RECORD	
SURVEYED BY	B & G 9-9-80
REFERENCES	G.L.O. PLAT <input type="checkbox"/> U.S.G.S. QUAD. MAP <input checked="" type="checkbox"/>
LOCATION DATA	
FIELD	Bug
LOCATION: NE 1/4 SW 1/4, Sec. 17, T. 36 S., R. 26 E., S.L.B. & M. 2113' FWL, 1966' FSL	
San Juan County, Utah	
WELL ELEVATION: 6604 "as graded" by electronic vertical angles from Company Bench Mark.	

<b>WEXPRO COMPANY</b>	
CERTIFIED WELL LOCATION AND WELL SITE PLAN	
<b>BUG WELL No. 16</b>	
DRAWN B & G 9-12-80	SCALE 1" = 1000
CHECKED <i>CEW</i>	DRWG. NO
APPROVED: <i>RWH</i>	<b>M-15556</b>   1/4

Cement Program:

Surface: 935 sacks of Regular Type "G" cement, plus 70% excess cement treated with 5% Dowell D-43A or 3% Calcium Chloride.

Production: Cement volumes and composition to be determined from caliper logs. Cement to be set 1000 feet above the uppermost productive zones. Cement casing with 50-50 Pozmix A cement.

- 5. Operator's minimum specifications for pressure control equipment requires a 10", 3000 psi annular preventer, and a 10", 3000 psi double gate blowout preventer from the surface to the total depth. See attached diagram. Blowout preventers will be tested by rig equipment after each string of casing is run. All ram-type preventers will have hand wheels installed and operative at the time the preventers are installed.
- 6. Fresh water with minimum properties from surface to total depth. Spud mud will be used for the surface hole. A mud de-sander will be used from under the surface casing to total depth to remove all undesirable solids from the mud system and to keep the mud weight to a minimum. The mud weight will be brought up to 11.7 ppg before drilling into the Desert Creek Zone at 6260'. Mud weight will start to increase at 6050'.

A fully manned logging unit will be used from 4500' to total depth. The contractor will catch 10-foot samples from surface casing to 4500'.

Sufficient mud materials to maintain mud requirements and to control minor lost circulation and blowout problems will be stored at the well site.

- 7. Auxiliary equipment will consist of: (1) A manually operated kelly cock; (2) No floats at bit; (3) Mud will be monitored visually from 0' to total depth; and, (4) Full opening Shafer floor valve manually operated.

- 8. Four Drill Stem Test: 

1) Honaker Trail	4675'
2) Lower Upper Ismay	6010'
3) Lower Ismay Porosity	6190'
4) Desert Creek Porosity	6315'

Cores: 60', Desert Creek Porosity, 6315'

- Mechanical Logs:
- 1. Dual Induction Laterolog from total depth to surface pipe.
  - 2. Compensated Neutron-Density Log with caliper and Gamma Ray from total depth to surface pipe. Run Gamma Ray and CNL to surface.
  - 3. Continuous Dipmeter from total depth to 4400' (minimum run). Run Gamma Ray correlation log with Dipmeter.

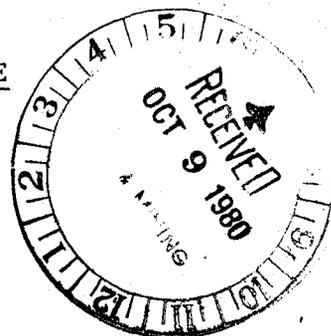
Wexpro Company  
Bug Well No. 16  
Lease No.: U-23161  
NE SW S17, T.36S., R.26E.  
San Juan County, Utah  
10-Point Plan

Page Three

During drill stem testing or when a completion rig is completing a well, some flaring of natural gases or produced gases will be necessary.

9. No abnormal temperatures or Hydrogen Sulfide is anticipated. No abnormal pressures anticipated except the Desert Creek Porosity at 6315'. The pressure will be controlled with a mud weight of 11.7 ppg before drilling into the Desert Creek Porosity zone.
10. The anticipated spud date is upon approval from the State of Utah. Duration of drilling will be approximately 25 days with 2 days completion.

DEVELOPMENT PLAN FOR U.S.G.S. APPROVAL OF SURFACE USE  
WEXPRO DRILLING WELLS



Well Name: Bug Well No. 16

Field or Area: Bug

1. Existing Roads:

- A) Proposed well site as staked: Refer to well location plat no. M-15556, well pad layout map no. M-15557 and area map no. M-15559 for location of well, access road, cuts and fills, directional reference stakes, etc.
- B) Route and distance from nearest town or locatable reference point to where well access route leaves main road: Refer to area map no. M-15559. From the well to the town of Dove Creek, Colorado, is approximately 13 miles. The access will follow existing county roads in San Juan and Dolores Counties and a small portion of access is across Clyde Sanchez lands.
- C) Access road to location: Refer to well location plat no. M-15556 and area map no. M-15559 for access road. (Color coded red for existing road and blue for road to be constructed.
- D) If exploratory well, all existing roads within a 3-mile radius of well site:  
Not an exploratory well.
- E) If development well, all existing roads within a 1-mile radius:  
See drawing No. M-15559

F) Plans for improvement and/or maintenance of existing roads:

Refer to drawing M-15559. The red colored road to Bug Well No. 4 has been improved with additional culverts, grading and surface base material applied where necessary. The road from Bug Well No. 4 to Bug Well No. 16 will be improved in the same manner.

2. Planned Access Road:

- A) Width - 20' wide from shoulder to shoulder.
- B) Maximum grade - The maximum grade on the road is 5 percent.
- C) Turnouts - No turnouts will be constructed.
- D) Drainage design - A drainage ditch on the uphill side of the road will be constructed. It will be a minimum of one foot below the surface of the road. No water diversion ditches are anticipated.
- E) Location and size of culverts and description of major cuts and fills -
  - 1) Since the location is on a flat ridge top. No major cuts or fills are anticipated.
  - 2) No culverts anticipated at this time.
- F) Surfacing material - Surface material will be applied along the road where necessary.
- G) Necessary gates, cattle guards or fence cuts - A cattle guard will be installed on the section line where an existing fence is.
- H) New or reconstructed roads - The new road to be constructed is center line flagged.

3. Location of Existing Wells - Refer to area map no. M-15559

- A) Water wells - None within a three mile radius.

- B) Abandoned wells - None within the area.
  - C) Temporarily abandoned wells - None within a three mile radius.
  - D) Disposal wells - None within a three mile radius.
  - E) Drilling wells - See M-15559 - Bug Well No. 10 is the next scheduled drilling well.
  - F) Producing wells - See M-15559 - at this time Bug Well Nos. 1, 2 and 4 are the only producing wells in that area.
  - G) Shut-in wells - None within a three mile radius.
  - H) Injection wells - None within a three mile radius.
  - I) Monitoring or observation wells for other resources - None within a three mile radius.
4. Location of Existing and/or Proposed Facilities - Refer to area map no. M-15526
- A) 1) Tank Batteries - A tank battery exists at Bug Well No. 4.
  - 2) Production Facilities - Production facilities exist at Bug Well No. 4 for oil production.
  - 3) Oil Gathering Lines - None at this time.
  - 4) Gas Gathering Lines - None at this time.
  - 5) Injection Lines - None at this time.
  - 6) Disposal Lines - None at this time.
- B) 1) Proposed location and attendant lines by flagging off the well pad - A production line will follow the access road out to a central production area, if the well is found to be productive.
  - 2) Dimensions of facilities - See drawing M-15557
  - 3) Construction methods and materials - The on-location pipelines will be buried approximately 30". The production equipment will be pre-fabricated equipment and located at a central production area. The tankage will have a fire dyke installed around it.
  - 4) Protective measures and devices to protect livestock and wildlife - All sump pits will be fenced. The fence shall be woven wire at least 48-inches high and within 4-inches of the ground. If oil is in the sump pit, the pit will be overhead flagged to keep birds out.

C) Plans for rehabilitation of disturbed area no longer needed for operations after construction is completed - Areas of none use will be restored and reseeded as recommended by the B.L.M.

5. Location and Type of Water Supply -

A) Location of Water - Water will be withdrawn from a reservoir in Section 16, T.36S., R.26E., belonging to C. Sanchez.

B) Method of Transporting Water - To be hauled by 100 bbl. tank truck over existing access roads.

C) Water Well to be Drilled on Lease - None anticipated.

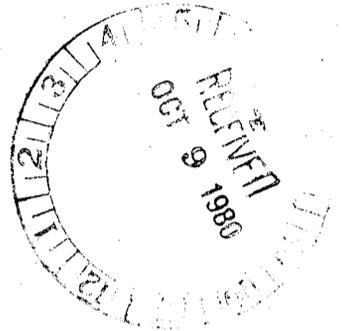
6. Source of Construction Material - None anticipated.

A) Information - None.

B) Identify if from Federal or Indian land - None.

C) Where materials are to be obtained and used - None.

D) Access roads crossing Federal or Indian lands - None.



7. Method for Handling Waste Disposal -

A-D) Cuttings and drilling fluids will be placed in the mud pit. Any produced liquids will be placed in test tanks and hauled out by tank trucks. A chemical toilet will be installed on the well pad. The mud pit shall be constructed with at least 1/2 of its holding capacity below ground level. It shall be fenced as described in Section 10-A.

E) Garbage and other waste material will be placed in the burn pit and covered over with wire mesh to contain the garbage.

F) After drilling operations have been completed, the location will be cleared of litter, and the trash will be burned in the burn pit. The burn pit will be covered over. The mud pit liquids will be allowed to evaporate. Any fill material on the mud pit will be compacted with heavy equipment.

8. Ancillary Facilities - No camps or airstrips exist now, and Wexpro Company has no plans to build them.

9. Well Site Layout - Refer to drawing no. M- 15557

1) Refer to drawing no. M-15558 for cross section of drill pad and mud pit with cuts and fills.

2, 3) Refer to the location plat for location of mud tanks, reserve pit, burn pit, pipe racks, living facilities, soil material stockpile, rig orientation, parking areas and access roads.

4) The mud pit is to be unlined.

10. Plans for Restoration of Surface -

A) After drilling operations, the well site will be cleared and cleaned and the burn pit filled in. Should the well be a dry hole, the surface will be restored to the extent that it will blend in with the landscape. Prior to the onset of drilling, the mud pit shall be fenced on three sides. Immediately upon completion of drilling, the fourth side of the pit will be fenced. The fence will be maintained until restoration.

B) Revegetation and rehabilitation of the location and access road will be done to comply with Bureau of Land Management recommendations.

C) Prior to rig release, pits will be fenced and so maintained until clean up. The trash pit will be dug so when filled, the depth will be at least three-feet below the finished contour of the location.

D) If oil is in the mud pit, overhead flagging will be installed to keep birds out.

E) Clean up will begin within two months after drilling operations have been completed and the land will be restored at this time.

11. Other Information -

A) The location lies on a ridge just easterly of Monument Canyon. The vegetation is Juniper trees and native grass. The access road comes into the location for the easterly side and is an extension of the Bug Well No. 4 access road. The access road tranverses through cultivated fields, then sandy soil conditions are encountered with Salt Sage, Sagebrush and native grass until it reaches the well pad.

B) The surface at the well site is U. S. Government along with all of the access road in Section 17. A portion of the remainder of the road tranverses C. Sanchez land in Section 16 (see drawing M-15559).

C) No known archaeological, historical or cultural sites exist in the proposed area of disturbance, to my knowledge.

12. Lessee's or Operator's Representative -

A. J. Maser, Drilling Superintendent, P. O. Box 1129, Rock Springs, Wyoming 82901, Telephone No. 307-362-5611.

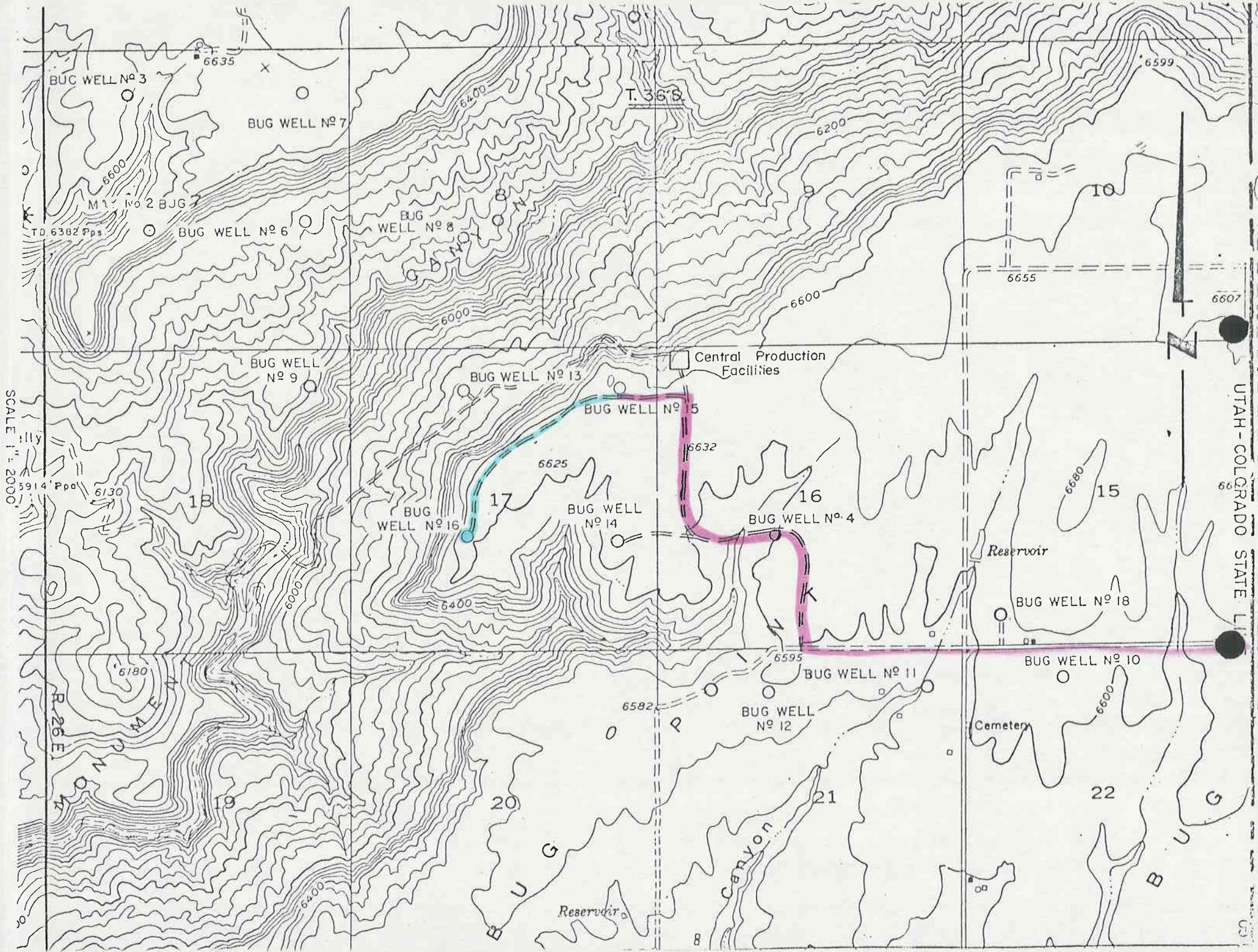
13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Wexpro Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date 10/3/80

Name *A. J. Maser*  
A. J. Maser  
Title Drilling Superintendent

AREA MAP  
FOR  
BUG WELL LOCATIONS  
BUG No 16

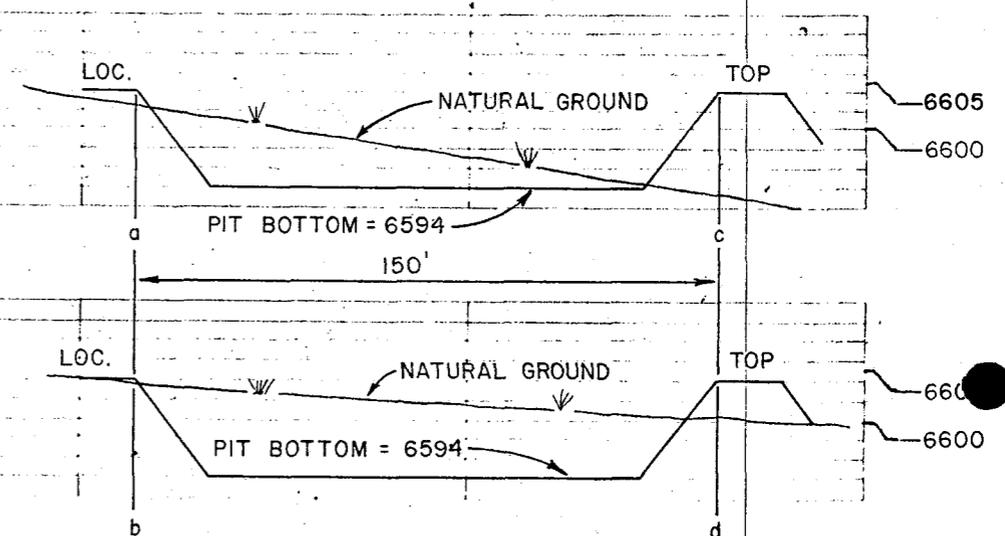
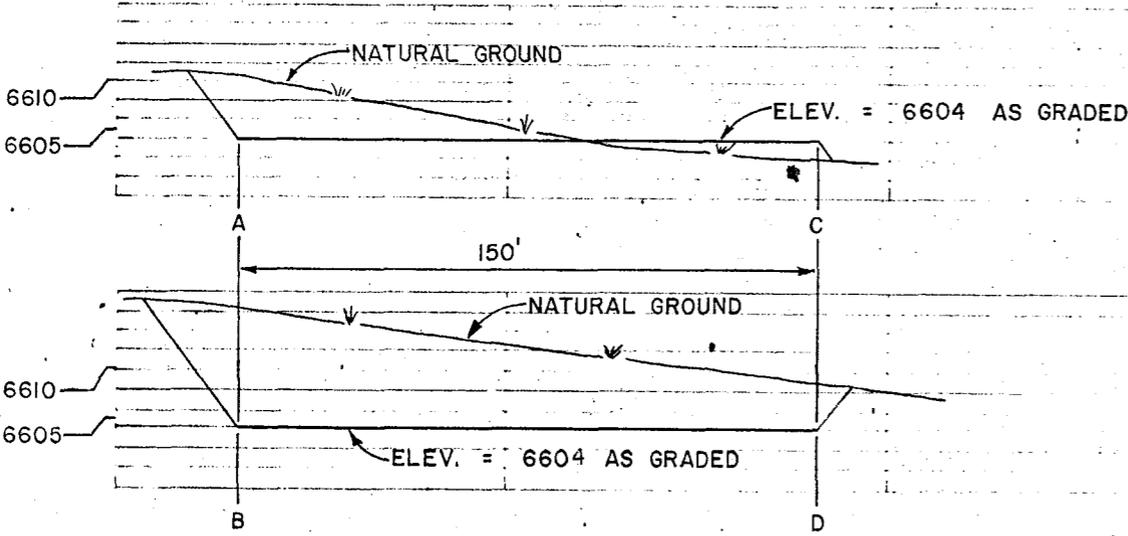
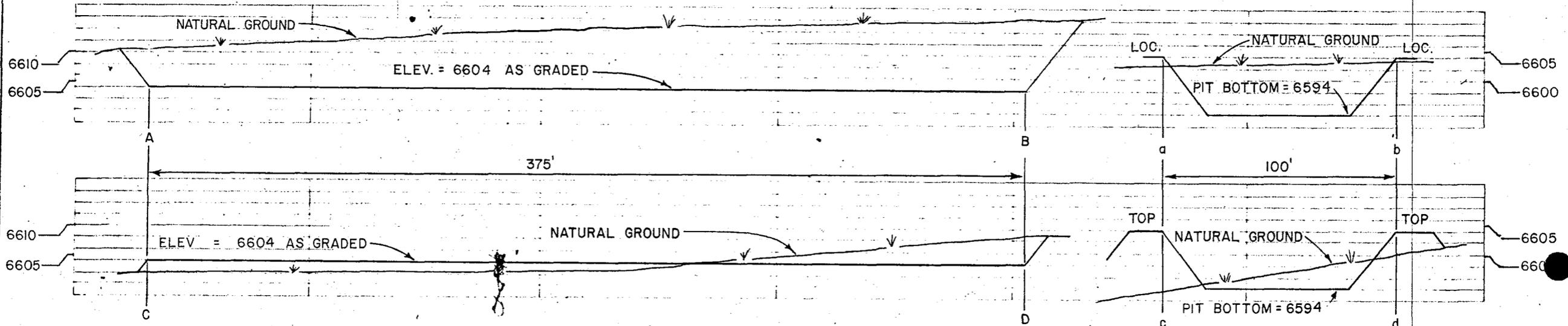


SCALE 1" = 2000'

UTAH-COLORADO STATE LINE

WELL PAD

MUD PIT (UNLINED)



PROFILE SECTION PROFILE GRADE LOCATION

SCALE - HORIZ. : 1" = 50'

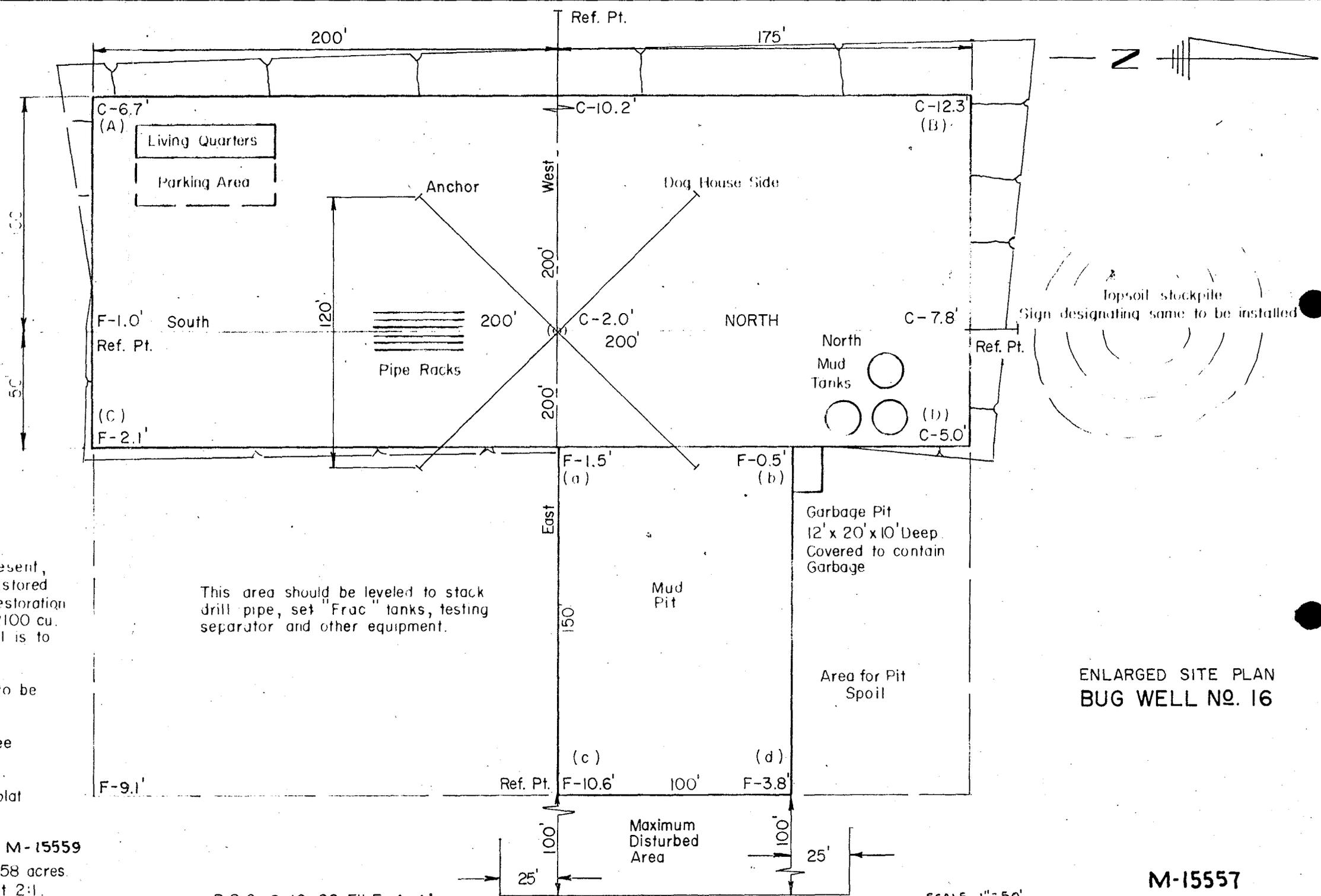
VERT. : 1" = 20'

CUTS - 2:1

FILLS - 2:1

PROFILE SECTIONS

BUG WELL NO. 16



At sites where topsoil is present, same is to be removed and stored on the adjacent land for restoration at the site when required. 2100 cu. yds. or the top 6" of topsoil is to be stockpiled.

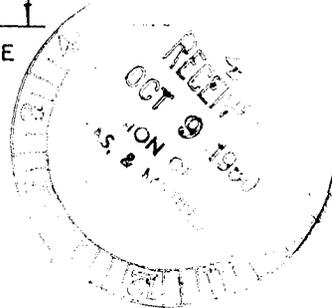
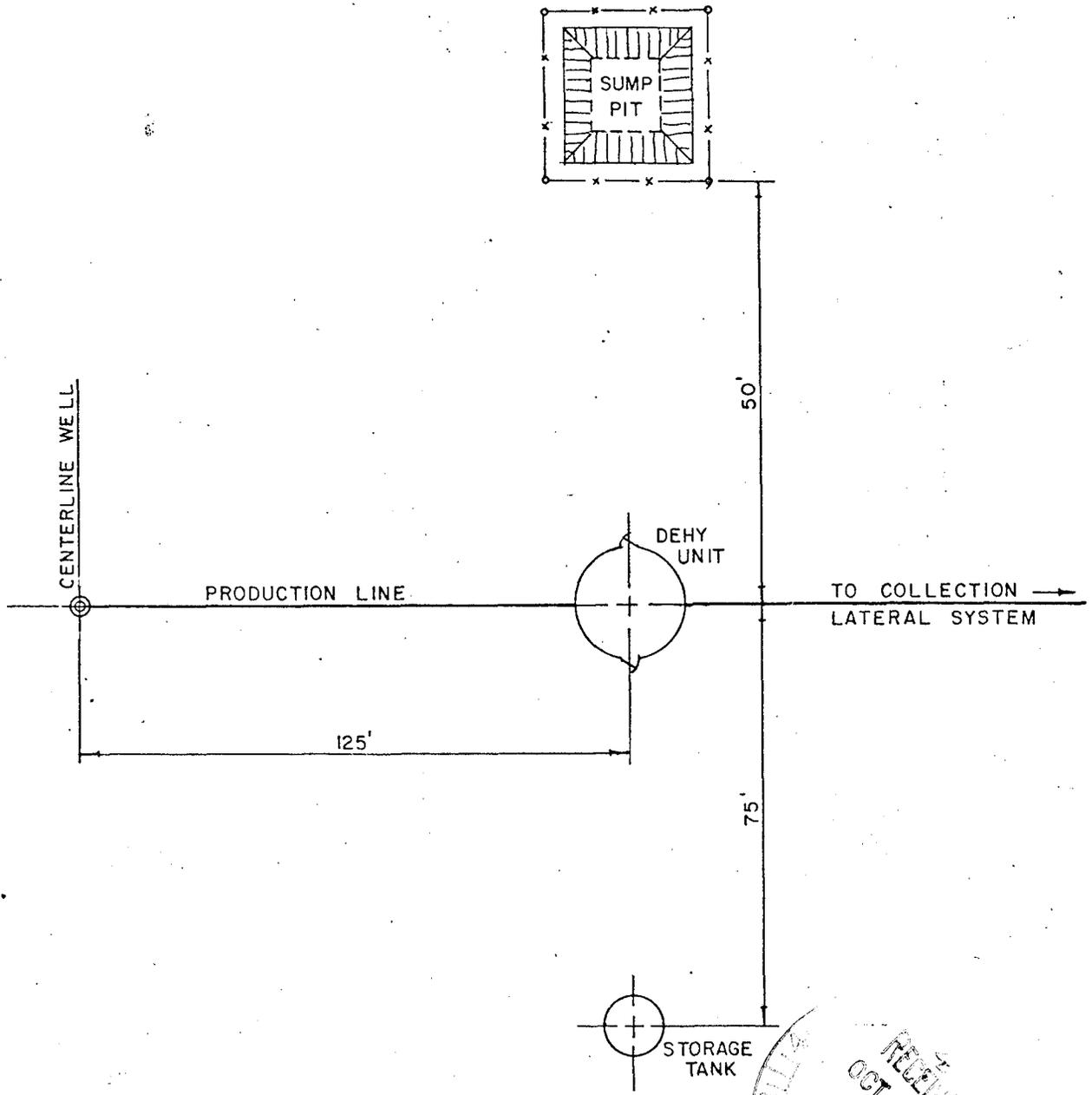
Mud and garbage pits are to be fenced and unlined.

For well location profiles see dwg. no. M-15558

For well location certified plat see dwg. no. M-15556

For area map see dwg. no. M-15559  
 Area for well location is 2.58 acres.  
 Cuts are at 2:1; Fills are at 2:1.

This area should be leveled to stack drill pipe, set "Frac" tanks, testing separator and other equipment.



REVISIONS			
NO.	DESCRIPTION	DATE	BY

**WEXPRO COMPANY**

TYPICAL PRODUCTION  
FACILITIES LAYOUT  
FOR  
BUG WELL N<sup>o</sup> 16

DRAWN: 7/9/76 FJC		SCALE: NONE	
CHECKED: _____		DRWG. NO. M-12205	
APPROVED: _____			



FLUID SAMPLE DATA				Date	Ticket Number
Sampler Pressure <u>225</u> P.S.I.G. at Surface		Date <u>4-8-81</u>		Ticket Number <u>894586</u>	
Recovery: Cu. Ft. Gas <u>2/10 of 1 cu. ft.</u>		Kind of D.S.T. <u>OPEN HOLE</u>		Halliburton Location <u>FARMINGTON</u>	
cc. Oil _____		Tester <u>MR. WRIGHT</u>		Witness <u>MR. SLIGER</u>	
cc. Water _____		Drilling Contractor <u>ALL WESTERN DRILLING COMPANY</u> <u>bj</u>			
cc. Mud <u>1700</u>		EQUIPMENT & HOLE DATA			
Tot. Liquid cc. <u>1700</u>		Formation Tested <u>Ismay</u>			
Gravity _____ ° API @ _____ °F.		Elevation <u>6610'</u> Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.		Net Productive Interval _____ Ft.			
RESISTIVITY _____ CHLORIDE CONTENT _____		All Depths Measured From <u>Kelly Bushing</u>			
Recovery Water TOP <u>2.82@ 74</u> °F. <u>2000</u> ppm		Total Depth <u>6067'</u> Ft.			
Recovery Mud Middle <u>2.68@ 74</u> °F. <u>2000</u> ppm		Main Hole/Casing Size <u>8 3/4"</u>			
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm		Drill Collar Length <u>408'</u> I.D. <u>2.25"</u>			
Mud Pit Sample <u>2.8@ 78</u> °F. <u>2000</u> ppm		Drill Pipe Length _____ I.D. <u>3.826"</u>			
Mud Pit Sample Filtrate <u>2.01@ 70</u> °F. <u>2500</u> ppm		Packer Depth(s) <u>5969'</u> <u>5975'</u> t.			
Mud Weight _____ vis _____ sec.		Depth Tester Valve <u>5947'</u> Ft.			
TYPE AMOUNT		Depth Back Pres. Valve		Surface Choke	
Cushion				Manifold Bottom Choke <u>.75"</u>	
Recovered <u>400</u> Feet of		gas cut mud.			
Recovered _____ Feet of					
Recovered _____ Feet of					
Recovered _____ Feet of					
Recovered _____ Feet of					
Remarks <u>SEE PRODUCTION TEST DATA SHEET....</u>					
TEMPERATURE		Gauge No. <u>2033</u>		Gauge No. <u>2032</u>	
Depth: <u>5952'</u> Ft.		Depth: <u>6063'</u> Ft.		Gauge No. _____ Ft.	
TIME (00:00-24:00 hrs.)		12 Hour Clock		24 Hour Clock	
Est. <u>135</u> °F.		Blanked Off <u>NO</u>		Blanked Off <u>YES</u>	
Actual °F.		Pressures		Pressures	
		Field Office		Field Office	
Initial Hydrostatic		<u>2752.7</u> <u>2728.4</u>		<u>2784</u> <u>2786.6</u>	
Flow Initial		<u>106.7</u> <u>70.6</u>		<u>132.7</u> <u>127.3</u>	
Flow Final		<u>133.4</u> <u>113.3</u>		<u>185.7</u> <u>185.6</u>	
Closed in		<u>400</u> <u>390.6</u>		<u>451.0</u> <u>449.6</u>	
Flow Initial		<u>213.4</u> <u>207.9</u>		<u>265.3</u> <u>267.9</u>	
Flow Final		<u>213.4</u> <u>162.6</u>		<u>238.8</u> <u>193.6</u>	
Closed in		<u>480</u> <u>473.3</u>		<u>530.4</u> <u>518.4</u>	
Flow Initial					
Flow Final					
Closed in					
Final Hydrostatic		<u>2725.9</u> <u>2700.2</u>		<u>2757.4</u> <u>2771.9</u>	

Legal Location  
Sec. - Twp. - Rng

17 36S 26E

Field Area

BUG

County

SAN JUAN

State

UTAH

Lease Name

Well No.

Test No.

Tested Interval

Lease Owner/Company Name

BUG

16

1

5975' to 6067'

WEXPRO COMPANY

12

Casing perms. \_\_\_\_\_ Bottom choke .75" Surf. temp 60 °F Ticket No. 894586  
 Gas gravity \_\_\_\_\_ Oil gravity \_\_\_\_\_ GOR \_\_\_\_\_  
 Spec. gravity \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm Res. \_\_\_\_\_ @ \_\_\_\_\_ °F

**INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED**

Date	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
4-8-81						
1600						On location.
2000						Picked up tools.
2130						Tools on trip in hole.
2355		1/4"				Opened tool with a weak blow.
2400		"				Weak blow.
0005		"				"
0015		"	2 Oz.			" 4" in bucket.
0025		"				Closed tool with a weak blow.
0155		"				Reopened tool with a weak blow.
0210		"				Weak blow.
0225		"	4 Oz.			"
0240		"	5 Oz.			Bottom of bucket with a fair blow.
0255		"	5 Oz.			Bottom of bucket with a good blow.
0310		"				"
0325		"				"
0340		"				"
0355		"				Closed tool. No combustible gas to surface.
0655						Pulled tools out of hole.
1130						Tools out of hole.

FLUID SAMPLE DATA		Date	4-10-81	Ticket Number	894356
Sampler Pressure	700	P.S.I.G. at Surface	Kind of D.S.T.	OPEN HOLE	Halliburton Location
Recovery: Cu. Ft. Gas	.8		Tester	MR. DAVIS	Witness
cc. Oil	Traces				MR. SLIGER
cc. Water	600		Drilling Contractor	ALL WESTERN #3	bc
cc. Mud			EQUIPMENT & HOLE DATA		
Tot. Liquid cc.	600		Formation Tested	Lower Ismay	
Gravity		° API @	Elevation	6604'	Ft.
Gas/Oil Ratio		cu. ft./bbl.	Net Productive Interval	6'	Ft.
RESISTIVITY		CHLORIDE CONTENT	All Depths Measured From	Kelly Bushing	
Recovery Water	MIDDLE .482 @ 64 °F.	8484 ppm	Total Depth	6232' Ft.	
Recovery Mud	TOP 1.24 @ 62 °F.	3212 ppm	Main Hole/Casing Size	8 3/4"	
Recovery Mud Filtrate	BOTTOM .184 @ 64 °F.	24848 ppm	Drill Collar Length	443'	I.D. 2.25"
Mud Pit Sample	1.13 @ 62 °F.	3636 ppm	Drill Pipe Length	5713'	I.D. 3.826"
Mud Pit Sample Filtrate	SAMPLER 088 @ 60 °F.	181818 ppm	Packer Depth(s)	6160' - 6166' Ft.	
Mud Weight	11.3	vis 40 sec.	Depth Tester Valve	6139' Ft.	

Cushion	TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke
				1/2"	.75"
Recovered		465 Feet of Gas cut mud		Orifice Tester	
Recovered		10 Feet of Salt water			
Recovered		Feet of			
Recovered		Feet of			
Recovered		Feet of			

Remarks SEE PRODUCTION TEST DATA SHEET.

TEMPERATURE	Gauge No. 2032		Gauge No. 2033		Gauge No.		TIME	
	Depth:	6144' Ft.	Depth:	6228' Ft.	Depth:	Ft.	(00:00-24:00 hrs.)	
Est. °F.	24 Hour Clock		24 Hour Clock		Hour Clock		Tool Opened 1655	
Actual 134 °F.	Blanked Off NO		Blanked Off YES		Blanked Off		Opened Bypass 0625	
	Pressures		Pressures		Pressures		Reported	Computed
	Field	Office	Field	Office	Field	Office	Minutes	Minutes
Initial Hydrostatic	3741	3752.6	3814	3797.8				
First Period	Flow Initial	106	86.2	133	138.6			
	Flow Final	159	165.7	165	186.6		30	31
	Closed in	2491	2485.3	2484	2508.0		180	178
Second Period	Flow Initial	80	91.5	107	106.6			
	Flow Final	159	163.1	187	182.6		240	242
	Closed in	2491	2473.4	2484	2491.9		360	360
Third Period	Flow Initial							
	Flow Final							
	Closed in							
Final Hydrostatic	3741	3744.6	3814	3792.4				

Legal Location Sec. - Twp. - Rng. 17 - 36S - 26E

Lease Name BUG

Well No. 16

Test No. 2

Tested Interval 6166' - 6232'

County SAN JUAN

State UTAH

Lease Owner/Company Name WEXPRO

Casing perf. \_\_\_\_\_ Bottom choke \_\_\_\_\_ Surf. temp. \_\_\_\_\_ °F Ticket No. 894356  
 Gas gravity \_\_\_\_\_ Oil gravity \_\_\_\_\_ GOR \_\_\_\_\_  
 Spec. gravity \_\_\_\_\_ Chlorides \_\_\_\_\_ ppm Res. \_\_\_\_\_ @ \_\_\_\_\_ °F Page 1

**INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED**

Date 4-10-81 Time a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1100			CUBIC FEET		On location
1230					Rigged up tools
1330					Tools on trip in hole
1650					On bottom
1655	Bubble Hose	1 oz.			Opened tool with a weak blow
1700	"	1.2 oz.			Fair blow
1705	"	1.5 oz.			"
1710	"	5 oz.			Good blow
1715	"	8 oz.			"
1720	"	11 oz.			"
1725	"	15 oz.			Closed tool with a good blow
2025	1"	10#	430,000		Opened tool, flaring to pit, using 2"
					orifice tester. Gas to surface
					immediately.
2038	1/4"	8/10	410,000/30,000		Changed to 1/4" orifice
2055	1/4"	34	66,000		Good blow
2110	1/2"	42/27	84,000/210,000		Changed to 1/2" orifice
2125	"	22	182,000		Good blow
2140	"	22	182,000		"
2155	"	24	195,000		"
2210	"	25	200,000		"
2225	"	27	210,000		"
2240	"	28	218,000		"
2255	"	29	220,000		"
2310	"	30	225,000		"



Gauge No. 2032			Depth 6144'			Clock No. 13741			24 hour			Ticket No. 894356		
First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.0000	86.2	.0000	-----	165.7	.0000	91.5	.0000	-----	163.1				
1	.0199	140.5*	.0337	.608	802.1**	.1009	141.9	.0809	1.091	2214.0				
2	.0365	171.0	.0742	.378	1542.5	(.1600	168.4)C	.1617	.824	2347.0				
3	.0532	173.7	.1146	.278	2059.8	.2018	145.8	.2426	.679	2393.6				
4	.0698	163.1	.1551	.221	2319.1	.3027	143.2	.3235	.584	2420.2				
5	.0864	168.4	.1955	.184	2414.8	.4036	147.2	.4043	.514	2433.5				
6	.1030	165.7	.2360	.157	2449.4	.5045	155.1	.4852	.461	2442.8				
7			.2764	.138	2465.4	.6054	157.8	.5661	.418	2450.8				
8			.3169	.122	2470.7	.7064	160.4	.6469	.383	2457.4				
9			.3573	.110	2476.0	.8140	163.1***	.7278	.354	2460.1				
10			.3978	.100	2478.7			.8087	.329	2464.1				
11			.4382	.092	2481.3			.8895	.308	2466.7				
12			.4787	.085	2484.0			.9704	.289	2468.0				
13			.5191	.079	2485.3			1.0513	.272	2473.4				
14			.5596	.073	2485.3			1.1321	.258	2473.4				
15			.6000	.069	2485.3			1.2130	.245	2473.4				

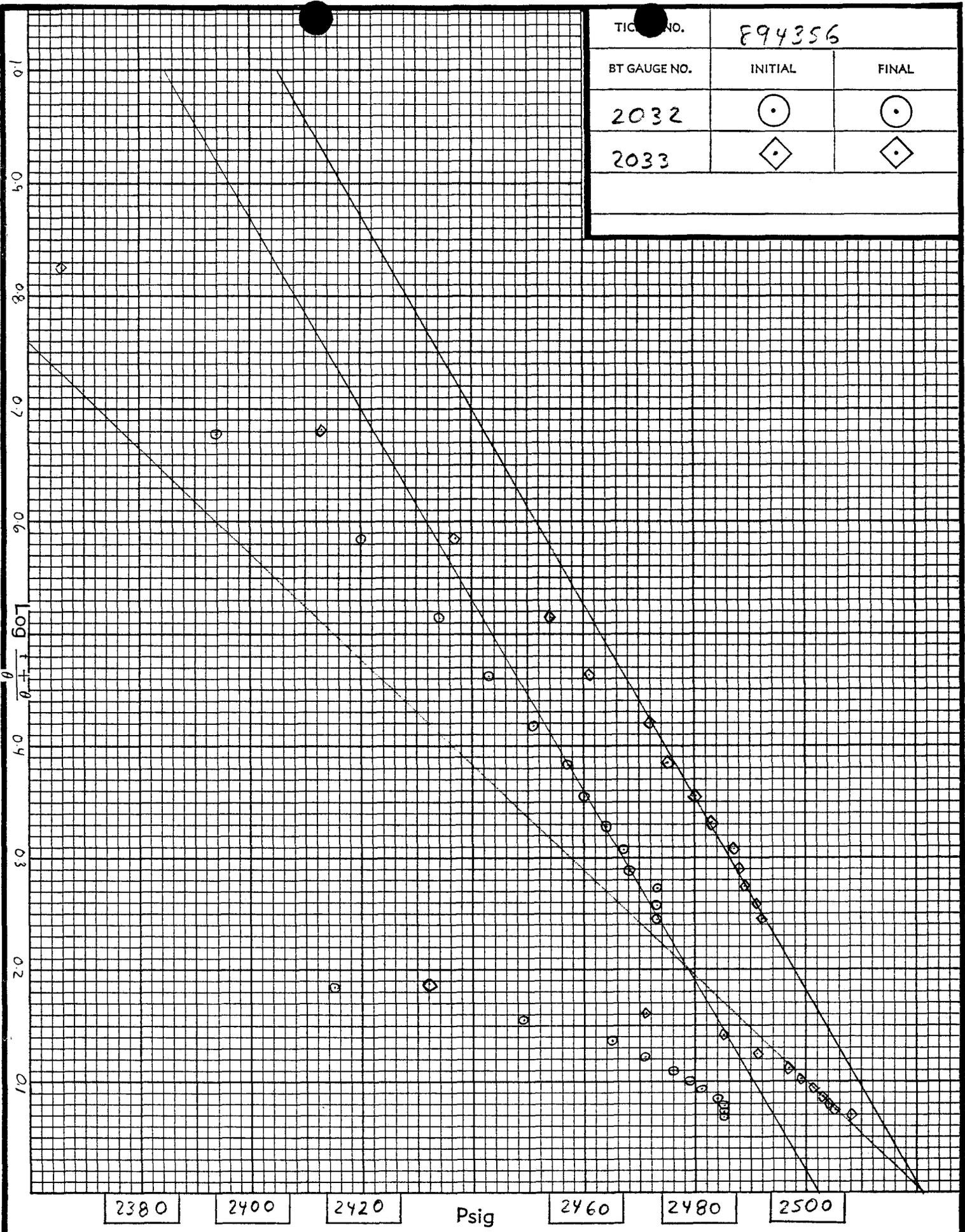
Gauge No. 2033			Depth 6228'			Clock No. 14128			24 hour					
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0	.0000	138.6	.0000	----	186.6	.0000	106.6	.0000	-----	182.6				
1	.0207	193.3*	.0342	.616	751.3**	.1024	162.6	.0818	1.094	2229.2				
2	.0380	219.9	.0751	.385	1521.4	(.1650	187.9)C	.1636	.826	2365.9				
3	.0552	217.3	.1161	.284	2058.9	.2048	165.3	.2454	.681	2412.8				
4	.0725	202.6	.1571	.226	2336.4	.3072	162.6	.3272	.586	2437.0				
5	.0897	202.6	.1981	.188	2431.6	.4096	167.9	.4090	.516	2454.4				
6	.1070	186.6	.2391	.161	2470.5	.5120	173.3	.4908	.463	2461.1				
7			.2801	.141	2485.2	.6144	175.9	.5726	.420	2471.8				
8			.3211	.125	2490.6	.7168	178.6	.6544	.385	2474.5				
9			.3621	.112	2497.3	.8260	182.6***	.7362	.356	2479.8				
10			.4031	.102	2498.6			.8180	.331	2482.5				
11			.4440	.094	2501.3			.8998	.309	2486.6				
12			.4850	.087	2502.6			.9816	.290	2487.9				
13			.5260	.080	2504.0			1.0634	.274	2489.2				
14			.5670	.075	2505.3			1.1452	.259	2490.6				
15			.6080	.070	2508.0			1.2270	.246	2491.9				

Reading Interval 5 12 30 24 Minutes

REMARKS: \*Interval = 6 minutes \*\*Interval = 10 minutes \*\*\*Interval = 32 minutes C = Choke change

12

TIC NO.	894356	
BT GAUGE NO.	INITIAL	FINAL
2032	○	○
2033	◇	◇



EXTRAPOLATED PRESSURE GRAPH

# Gas Production

B.T. Gauge Numbers			2032	2033	Ticket Number		894356
Initial Hydrostatic			PRESSURE 3753	PRESSURE 3798	Elevation		6604 ft.
Final Hydrostatic			3745	3792	1st Flow		430 MCF
1st Flow	Initial	Time	86	139	Production Rate	2nd Flow	250 MCF
	Final	31	166	187		3rd Flow	MCF
	Closed In Pressure		178	2485		2508	Hole Size
2nd Flow	Initial	Time	92	107	Footage Tested		6 ft.
	Final	242	163	183	Mud Weight		11.3 lbs./gal.
	Closed In Pressure		360	2473	2492	Gas Viscosity	
3rd Flow	Initial	Time			Gas Gravity		.60
	Final				Gas Compressibility		—
	Closed In Pressure					Temperature	
Extrapolated Static Pressure		1st					
		2nd					
		3rd					
Slope P/10		1st					
		2nd					
		3rd					

- Remarks: 1. Initial period not calculated due to nonstable flow rate. Final flow rate changing slightly. Parameters calculated may be somewhat questionable.
2. Initial closed in pressure for gauge 2032 not extrapolated due to erratic behavior of final points.

## SUMMARY

B.T. Gauge No. 2032  
Depth 6144'

B.T. Gauge No. 2033  
Depth 6228'

PRODUCT	EQUATION	FIRST	SECOND	THIRD	FIRST	SECOND	THIRD	UNITS
Transmissibility	$\frac{Kh}{\mu} = \frac{1637 Q_e ZT}{m}$		357.130			357.357		md. ft. cp
Theoretical Flow Capacity	$Kh = \frac{Kh}{\mu} \mu$		6.786			6.790		md. ft.
Average Effective	$K = \frac{Kh}{h}$		1.131			1.132		md.
Permeability	$K_1 = \frac{Kh}{h_1}$		-			-		md.
Indicated Flow Capacity	$(Kh)_2 = \frac{3200 Q_e \mu ZT \text{Log}(0.472 b/r_w)}{P_s^2 - P_r^2}$		1.697			1.674		md. ft.
Damage Ratio	$DR = \frac{\text{Theo. Flow Cap}}{\text{Indicated Flow Cap}} \frac{Kh}{(Kh)_2}$		3.999			4.058		—
Indicated Flow Rate	$OF_1 = \frac{Q_e}{P_s^2 - P_r^2} P_s^2$ Max.		251.066			251.325		MCFD
	$OF_2 = \frac{Q_e P_s}{\sqrt{P_s^2 - P_r^2}}$ Min.		250.533			250.662		MCFD
Theoretical Potential Rate	$OF_3 = OF_1 DR$ Max.		1003.994			1019.848		MCFD
	$OF_4 = OF_2 DR$ Min.		1001.862			1017.158		MCFD
Approx. Radius of Investigation	$b \approx \sqrt{Kt}$ or $\sqrt{Kt_0}$		17.936			17.942		ft.
	$b_1 \approx \sqrt{K_1 t}$ or $\sqrt{K_1 t_0}$		-			-		ft.
Potentiometric Surface *	$Pot. = (EI - GD) + (2.319 P_s)$		6262.133			6222.195		ft.

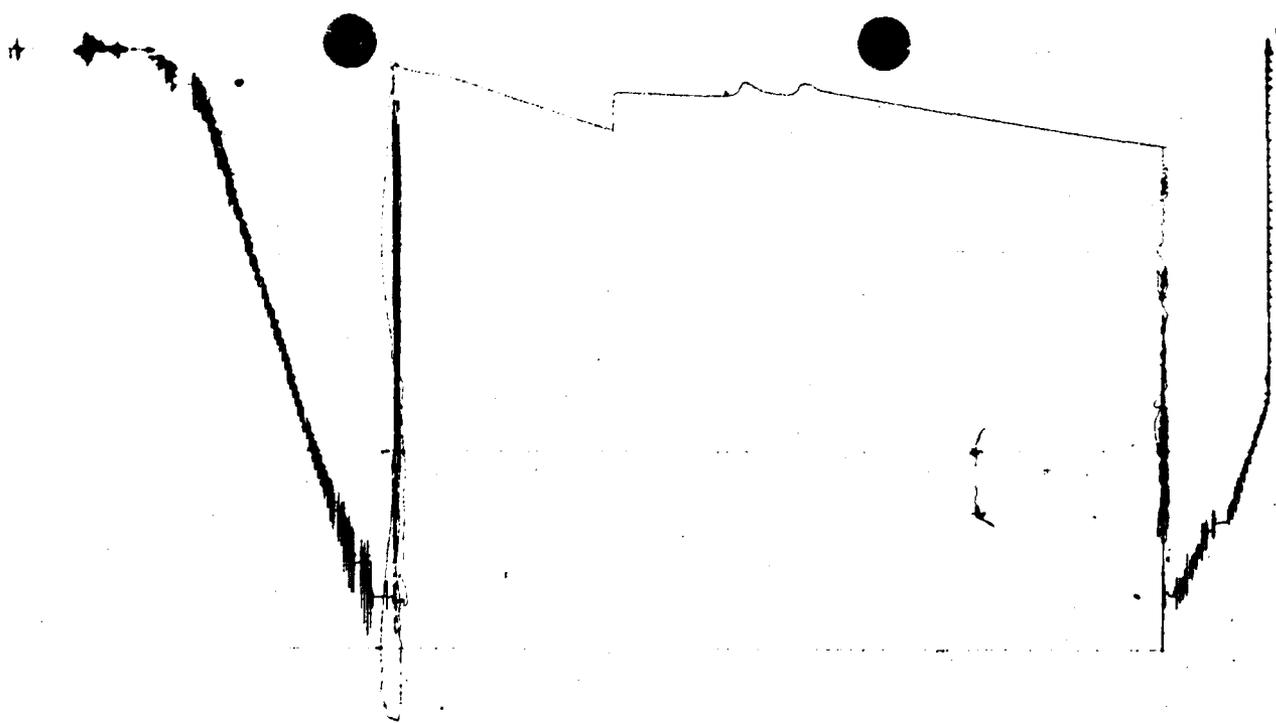
**NOTICE:** These calculations are based upon information furnished by you and taken from Drill Stem Test pressure charts, and are furnished you for your information. In furnishing such calculations and evaluations based thereon, Halliburton is merely expressing its opinion. You agree that Halliburton makes no warranty express or implied as to the accuracy of such calculations or opinions, and that Halliburton shall not be liable for any loss or damage, whether due to negligence or otherwise, in connection with such calculations and opinions.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6"	3"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	5713'	
Drill Collars	6.25"	2.25"	442.84'	
Handling Sub & Choke Assembly				
Dual CIP Valve	6"	3"	1'	
Dual CIP Sampler	5.03"	.87"	7'	6132'
Hydro-Spring Tester	5"	.75"	5'	6139'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	6144'
Hydraulic Jar	5.03"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7.75"	1.53"	6'	6160'
Distributor				
Packer Assembly	7.75"	1.53"	6'	6166'
	6"	3"	1'	
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars	6.25"	2.25"	34'	
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	6"	3"	1'	
	5.75"	3"	24'	
Blanked-Off B.T. Running Case	5.75"	2.44"	4'	6228'
Total Depth				6232'

12

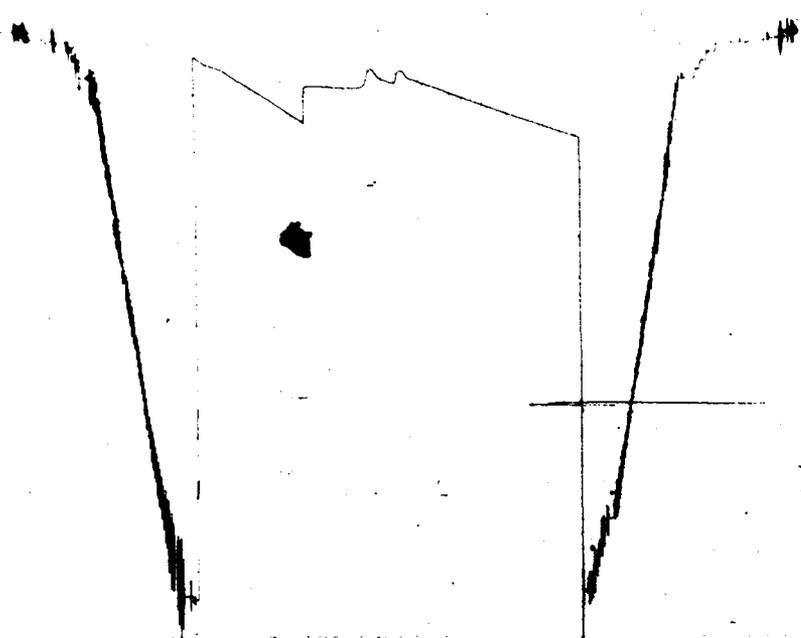
PRESSURE

↓



894586 - 2033

TIME

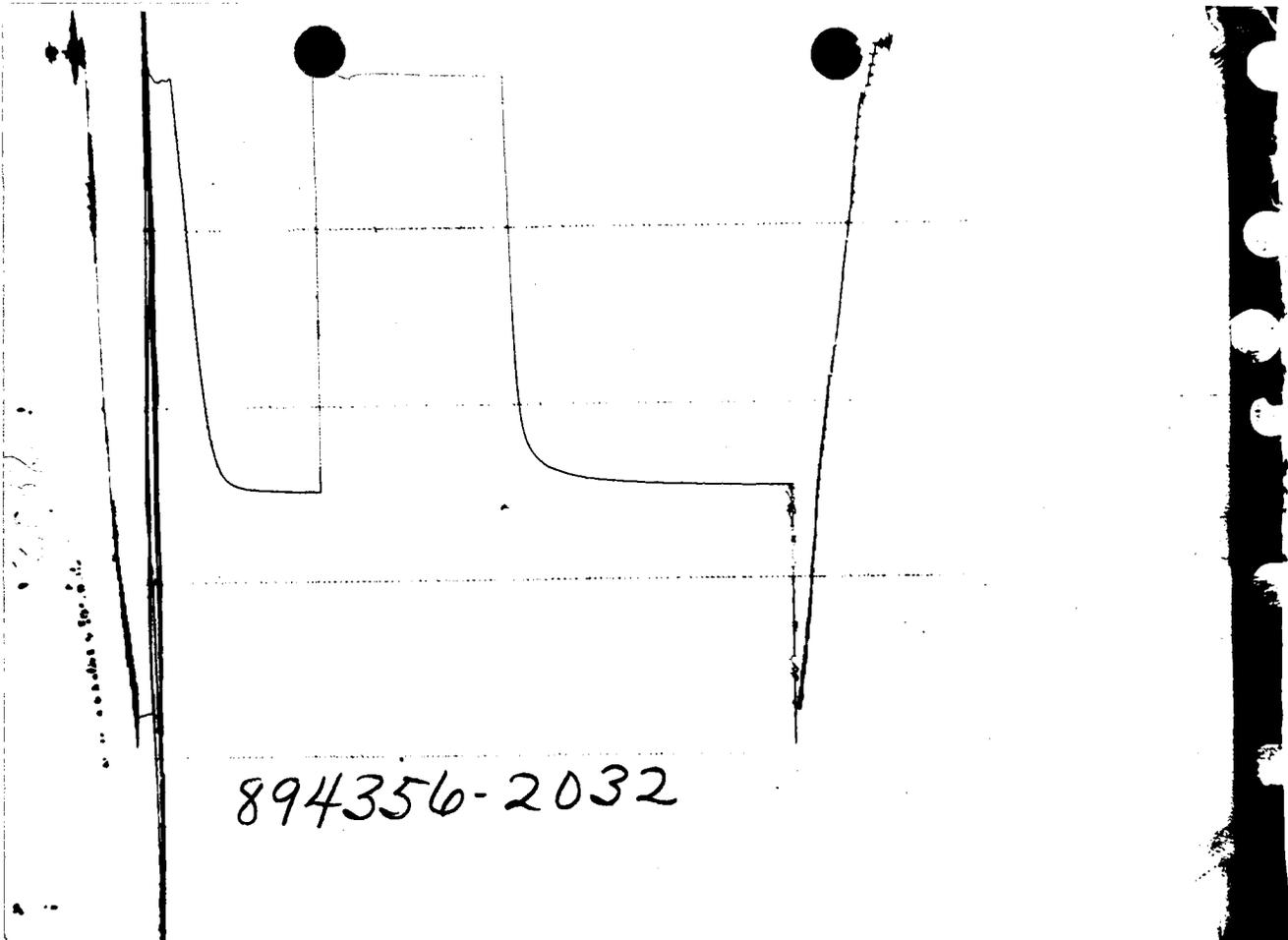


894586 - 2032

Each Horizontal Line Equal to 1000 p.s.i.

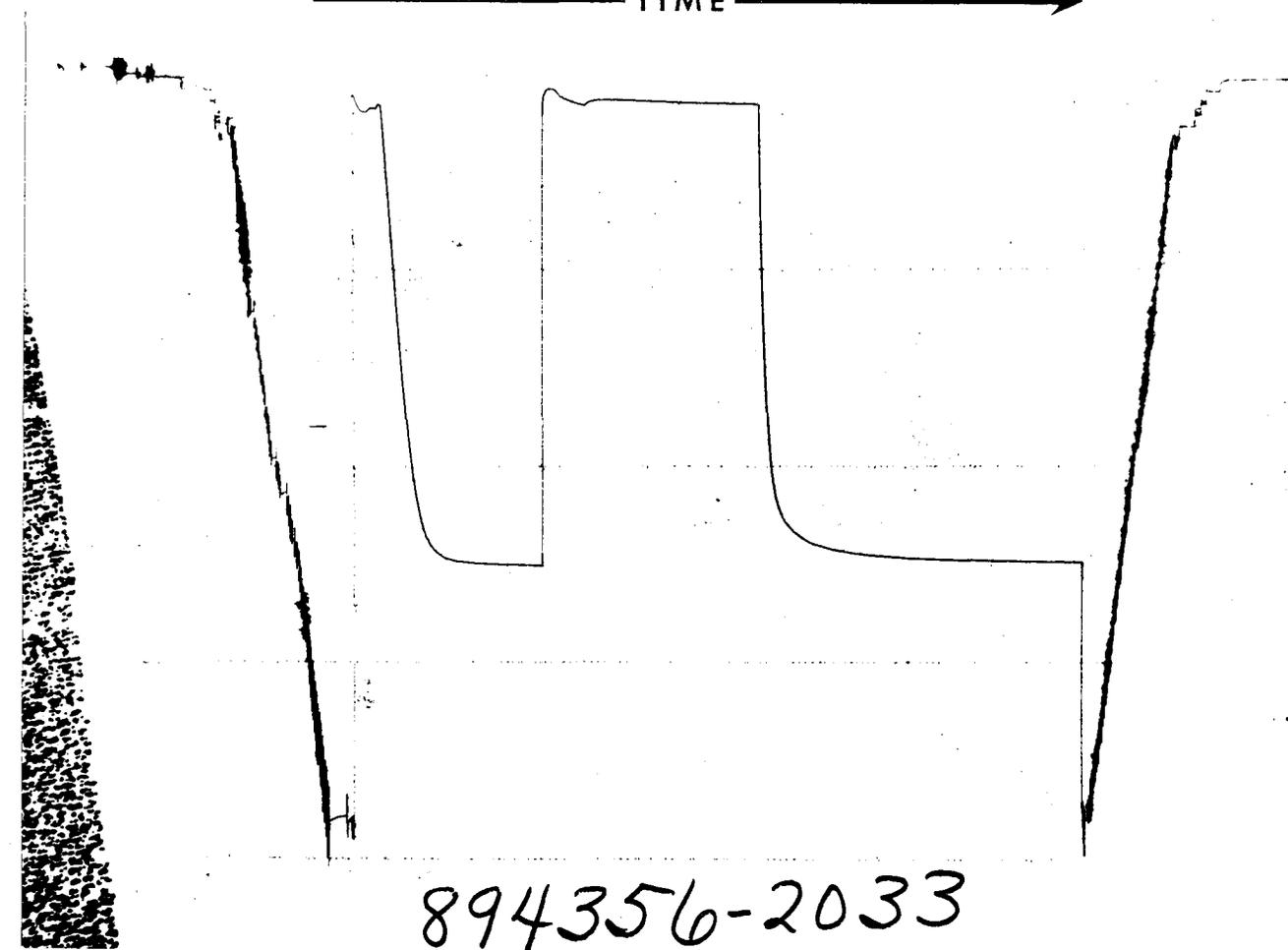
	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6.00"	3.00"	1.00'	
Water Cushion Valve				
Drill Pipe	4.50"	3.826"	5592'	
Drill Collars	7.00"	2.75"	348'	
<del>Handling Sub &amp; Choke Assembly</del> X OVER	6.00"	3.00"	1.00'	
Dual CIP Valve				
Dual CIP Sampler	5.00"	.75"	7.00'	5942'
Hydro-Spring Tester	5.00"	.75"	5.00'	5947'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5.00"	2.75"	4.00'	5952'
Hydraulic Jar	5.00"	1.75"	5.00'	
VR Safety Joint	5.00"	1.00"	3.00'	
Pressure Equalizing Crossover				
Packer Assembly	7.75"	1.50"	6.00'	5969'
Distributor				
Packer Assembly	7.75"	1.50"	6.00'	5975'
Flush Joint Anchor	5.75"	3.50"	25'	
<del>Pressure Equalizing Tube</del> X OVER	6.00"	3.00"	1.00'	
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	7.00"	2.25"	60'	
Flush Joint Anchor	6.00"	3.00"	1.00'	
Blanked-Off B.T. Running Case	5.75"	2.50"	4.50'	6063'
Total Depth				6067'

PRESSURE



894356-2032

TIME



894356-2033

Each Horizontal Line Equal to 1000 p.s.i.

\*\* FILE NOTATIONS \*\*

DATE: October 9, 1980  
OPERATOR: Wepco Company  
WELL NO: Aug # 16  
Location: Sec. 17 T. 36S R. 26E County: San Juan

File Prepared:  Entered on N.I.D:   
Card Indexed:  Completion Sheet:

API Number 43-037-30607

CHECKED BY:

Petroleum Engineer: M. J. Minder 10/16/80

Director: OK as per order issued in lease 186-1  
dtg Feb 29, 1980

Administrative Aide: \_\_\_\_\_

APPROVAL LETTER:

Bond Required:  Survey Plat Required:   
Order No. 186-1 2/29/80 O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage  
within a 660' radius of proposed site

Lease Designation Std Plotted on Map

Hot Line  Approval Letter Written   
P.I.

October 17, 1980

Wexpro Company  
P. O. Box 1129  
Rock Springs, Wyoming 82901

ATTN BETTY SMITH

Re: Well No. Bug 16  
Sec. 17, T. 36S, R. 26E,  
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 186-1 dated February 27, 1980.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30607.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

*Cleon B. Feight /ka*

Cleon B. Feight  
Director

/ka  
cc: USGS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P.O. Box 1129, Rock Springs, Wyo. 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) NE 1/4 SW 1/4 S.17, T.36S., R.26E.,  
AT SURFACE: 2113' FWL, 1966' FSL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: 6405'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
PULL OR ALTER CASING   
MULTIPLE COMPLETE   
CHANGE ZONES   
ABANDON\*   
(other) Elevations

5. LEASE	U-23161
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME	Bug
9. WELL NO.	16
10. FIELD OR WILDCAT NAME	Development
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	S.17, T.36S., R.26E.
12. COUNTY OR PARISH	13. STATE San Juan Utah
14. API NO.	43-037-30607
15. ELEVATIONS (SHOW DF, KDB, AND WD)	6696'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Elevation of well changed from 6604' to 6696'. Everything else remains the same.

RECEIVED  
FEB 10 1981  
DIRECTION OF  
GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED *L. W. Herdell* TITLE Dir. Civil Eng. DATE 2/10/81

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form Approved.  
Budget Bureau No. 42-R1424

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P.O. Box 1129, Rock Springs, Wyo. 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) NE 1/4 SW 1/4 S.17, T.36S., R.26E.  
AT SURFACE: 2113' FWL, 1966' FSL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH: 6405'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE  
U-23161

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Bug

9. WELL NO.  
16

10. FIELD OR WILDCAT NAME  
Development

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
S.17, T.36S., R.26E.

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

14. API NO.  
43-037-30607

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6596'

REQUEST FOR APPROVAL TO:      SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF      

FRACTURE TREAT      

SHOOT OR ACIDIZE      

REPAIR WELL      

PULL OR ALTER CASING      

MULTIPLE COMPLETE      

CHANGE ZONES      

ABANDON\*      

(other) Elevations      

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Elevation of well changed from 6696' to 6596'. Everything else remains the same.

**APPROVED BY THE DIVISION OF OIL, GAS, AND MINING**

DATE: 2-27-81  
BY: M. J. Minder

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct  
SIGNED Gen. W. Head TITLE Dir. of Civil Eng. DATE 2/17/81

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: NE SW 1966' FSL, 2113' FWL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE U - 23161

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-

7. UNIT AGREEMENT NAME  
-

8. FARM OR LEASE NAME  
Bug

9. WELL NO.  
16

10. FIELD OR WILDCAT NAME  
Bug

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
17-36S-26E., SLB&M

12. COUNTY OR PARISH San Juan 13. STATE Utah

14. API NO.  
43-037-30607

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
GR 6596'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) <u>Supplementary History</u>			<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Depth 3683', spudded March 19, 1981 at 8:00 a.m., drilling with water.

RECEIVED

APR 8 1981

DIVISION OF  
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED [Signature] TITLE Asst Drlg Supt DATE 4-3-81

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

PRELIMINARY REPORT

CORE ANALYSIS RESULTS

Company WEXPRO COMPANY Formation Desert Creek File RP-3-30  
Well Bug # 16 Core Type D.C. 4" Date Report 4-15-81  
Field Bug Drilling Fluid Gel Analysts Getz  
County San Juan State Utah Elev. 6610 GL Location NE, SW Sec. 17-36S-26E

Lithological Abbreviations

SAND-SO SHALE-SH LIME-LM	DOLOMITE-DOL CHERT-CH GYPSUM-GYP	ANHYDRITE-ANHY CONGLOMERATE-CONG FOSSILIFEROUS-FOSS	SANDY-SOY SHALY-SHY LIMY-LMY	FINE-FN MEDIUM-MED COARSE-CSE	CRYSTALLINE-XLN GRAIN-GRN GRANULAR-GRNL	BROWN-BRN GRAY-GY VUGGY-VGY	FRACTURED-FRAC LAMINATION-LAM STYLOLITIC-STY	SLIGHTLY-SL/ VERY-V/ WITH-W/
--------------------------------	--	---	------------------------------------	-------------------------------------	---	-----------------------------------	--	------------------------------------

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCS MAX. 900	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		GRN. DEN.	SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER		

CONVENTIONAL ANALYSIS WITH BOYLE'S LAW POROSITY

	6278-89	-	-	-	-	-	-	SHALE - NO ANALYSIS
	6289-94	-	-	-	-	-	-	ANHYDRITE - NO ANALYSIS
	6294-95	-	-	-	-	-	-	SHALE - NO ANALYSIS
1	6295-96	0.7		12.9	6.4	40.9	2.75	DOL-BRN, f xln, sl/shl
2	6296-97	0.8		4.5	9.0	12.8	2.81	DOL-BRN, f xln, sl/anh, sl/vu
3	6297-98	16		6.7	13.3	37.3	2.76	DOL-BRN, f xln, sl/anh, sl/vu
4	6298-99	59		12.6	13.2	36.8	2.84	DOL-BRN, f xln, sl/anh, vug
5	6299-6300	3.4		10.3	6.9	36.3	2.85	DOL-BRN, f xln, sl/anh, vug
6	6300-01	76		15.9	11.4	26.6	2.83	DOL-BRN, f xln, sl/anh, vug
7	6301-02	28		12.2	8.1	41.9	2.85	DOL-BRN, f xln, sl/anh, vug
8	6302-03	2.3		9.6	8.6	35.3	2.86	DOL-BRN, f xln, sl/anh, vug
9	6303-04	*		11.6	8.2	41.2	2.83	DOL-BRN, f xln, sl/anh, vug, R
10	6304-05	*		11.2	6.7	40.3	2.82	DOL-BRN, f xln, sl/anh, vug, R
11	6305-06	59		13.3	6.6	45.6	2.84	DOL-BRN, f xln, sl/anh, vug, R
	6306-13	-	-	-	-	-	-	RUBBLE - NOT RECOVERED
12	6313-14	28	24	14.8	5.3	62.4	2.84	DOL-BRN, f xln, sl/vug, sl/anh
13	6314-15	14	13	13.8	1.0	76.2	2.83	DOL-BRN, f xln, sl/vug, sl/anh
14	6315-16	0.30	0.20	7.7	0.0	76.1	2.79	DOL-BRN, f xln, sl/vug, sl/anh
15	6316-17	3.7	3.6	8.0	0.0	55.0	2.80	DOL-BRN, f xln, sl/lm
16	6317-18	0.05	0.04	4.1	0.0	82.1	2.77	DOL-BRN, f xln, sl/lm
17	6318-19	**10	**8.0	(2.4)	0.0	70.8	*	DOL-BRN, f xln, sl/lm
	6319-33	-	-	-	-	-	-	DOL/LM/SHL - NO ANALYSIS

\* SAMPLE NOT SUITABLE FOR ANALYSIS

\*\* FRACTURE PERMEABILITY

( ) SUMMATION OF FLUIDS POROSITY

R RUBBLE

WHOLE CORE ANALYSIS WITH BOYLE'S LAW POROSITY FROM: 6313-19

RECEIVED

APR 20 1981

DIVISION OF  
OIL, GAS & MINING

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: NE SW 1966' FSL, 2113' FWL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Supplementary History</u> <input type="checkbox"/>	<u>X</u>

5. LEASE  
U - 23161

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-

7. UNIT AGREEMENT NAME  
-

8. FARM OR LEASE NAME  
Bug

9. WELL NO.  
16

10. FIELD OR WILDCAT NAME  
Bug

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
17-36S-26E., SLB&M

12. COUNTY OR PARISH San Juan 13. STATE Utah

14. API NO.  
43-037-30607

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
KB 6611.30' GR 6596'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Depth 6370', rig released April 15, 1981, waiting on completion tools.

Landed 9-5/8", 36#, K-55, 8rd thd, LT&C casing at 2027.17' KBM, set with 825 sacks regular B cement with 2% calcium chloride and 1/4# flocele per sack, poor returns while mixing, circulated 15 barrels cement to surface, cement in place at 3:00 a.m. on March 31, 1981.

DST #1: 5975-6067', Upper Lower Ismay, 10 1/2 hr, ISI 1 1/2 hrs, FO 2 hrs, FSI 3 hrs, opened weak on both openings, no gas, recovered 400' gas cut mud, IHP 2753, IOFP's 107-133, ISIP 400, FOFP's 213-213, FSIP 480, FHP 2726.

DST #2: 6166-6232', Lower Ismay, 10 1/2 hr, ISI 3 hrs, FO 4 hrs, FSI 6 hrs, opened weak increasing to strong, no gas, reopened gas at once, 1/2 hr 66 Mcf 1 hr 182 Mcf, 2 hrs 210 Mcf, 3 hrs 230 Mcf, 4 hrs 248 Mcf, recovered 465' gas and water cut mud and 10' water, IHP 3741, IOFP's 106-159, ISIP 2491, FOFP's 80-159, FSIP 2491, FHP 3741.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED A. J. Maier TITLE Drilling Supt. DATE April 22, 1981

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

APR 24 1981

DIVISION OF  
OIL, GAS & MINING

CORE LABORATORIES, INC.  
*Petroleum Reservoir Engineering*  
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

WEXPRO COMPANY

BUG NO. 16  
BUG  
SAN JUAN COUNTY, UTAH

DIVISION OF  
OIL, GAS & MINING

JUN 20 1961

RECEIVED

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
 DALLAS, TEXAS

WEXPRO COMPANY  
 BUG NO. 16  
 BUG  
 SAN JUAN COUNTY, UTAH

DATE : 4-15-81  
 FORMATION : DESERT CREEK  
 DRLG. FLUID: GEL  
 LOCATION : NE SW SEC 17-36S-26E

FILE NO : RP-3-3070  
 ANALYSTS : GETZ  
 ELEVATION: 6610 GL

CONVENTIONAL CORE ANALYSIS - BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM K <sub>a</sub> MAXIMUM	POR. H <sub>e</sub>	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
	6278.0-89.0						NO ANALYSIS - SHALE
	6289.0-94.0						NO ANALYSIS - ANHYDRITE
	6294.0-95.0						NO ANALYSIS - SHALE
1	6295.0-96.0	0.70	12.9	6.4	40.9	2.75	DOL-BRN,F XLN,SL/SHL
2	6296.0-97.0	0.80	4.5	9.0	12.8	2.81	DOL-BRN,F XLN,SL/ANHY,SL/VUG
3	6297.0-98.0	16.	6.7	13.3	37.3	2.76	DOL-BRN,F XLN,SL/ANHY,SL/VUG
4	6298.0-99.0	59.	12.6	13.2	36.8	2.84	DOL-BRN,F XLN,SL/ANHY,VUG
5	6299.0-00.0	3.40	10.3	6.9	36.3	2.85	DOL-BRN,F XLN,SL/ANHY,VUG
6	6300.0-01.0	76.	15.9	11.4	26.6	2.83	DOL-BRN,F XLN,SL/ANHY,VUG
7	6301.0-02.0	28.	12.2	8.1	41.9	2.85	DOL-BRN,F XLN,SL/ANHY,VUG
8	6302.0-03.0	2.30	9.6	8.6	35.3	2.86	DOL-BRN,F XLN,SL/ANHY,VUG
9	6303.0-04.0	*	11.6	8.2	41.2	2.83	DOL-BRN,F XLN,SL/ANHY,VUG,RUBBLE
10	6304.0-05.0	*	11.2	6.7	40.3	2.82	DOL-BRN,F XLN,SL/ANHY,VUG,RUBBLE
11	6305.0-06.0	59.	13.3	6.6	45.6	2.84	DOL-BRN,F XLN,SL/ANHY,VUG,RUBBLE
	6306.0-13.0						RUBBLE - NOT RECOVERED

\* = SAMPLE NOT SUITABLE FOR ANALYSIS

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
 DALLAS, TEXAS

PAGE 1

WEXPRO COMPANY  
 BUG NO. 16  
 BUG  
 SAN JUAN COUNTY, UTAH

DATE : 4-15-81  
 FORMATION : DESERT CREEK  
 DRLG. FLUID: GEL  
 LOCATION : NE SW SEC 17-36S-26E

FILE NO : RP-3-3070  
 ANALYSTS : GETZ  
 ELEVATION: 6610 GL

FULL DIAMETER ANALYSIS - BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD) MAXIMUM	AIR (MD) 90 DEG	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
12	6313.0-14.0	28.	24.	14.8	5.3	62.4	2.84	DOL-BRN,F XLN,SL/VUG,SL/ANHY
13	6314.0-15.0	14.	13.	13.8	1.0	76.2	2.83	DOL-BRN,F XLN,SL/VUG,SL/ANHY
14	6315.0-16.0	0.30	0.20	7.7	0.0	76.1	2.79	DOL-BRN,F XLN,SL/VUG,SL/ANHY
15	6316.0-17.0	3.70	3.60	8.0	0.0	55.0	2.80	DOL-BRN,F XLN,SL/LM
16	6317.0-18.0	0.05	0.04	4.1	0.0	82.1	2.77	DOL-BRN,F XLN,SL/LM
17	6318.0-19.0	**10.	**8.00	(2.4)	0.0	70.8	*	DOL-BRN,F XLN,SL/LM
	6319.0-33.0							NO ANALYSIS - DOL/LM/SHL

\*\* = FRACTURE PERMEABILITY

\* = SAMPLE NOT SUITABLE FOR ANALYSIS

( ) = SUMMATION OF FLUIDS POROSITY

**CORE LABORATORIES, INC.**



*Petroleum Reservoir Engineering*

COMPANY WEXPRO COMPANY FILE NO. RP-3-3070  
 WELL BUG NO. 10 DATE 4-15-81  
 FIELD BUG FORMATION DESERT CREEK ELEV. 6610 GL  
 COUNTY SAN JUAN STATE UTAH DRLG. FLD. GEL CORES \_\_\_\_\_  
 LOCATION NE SW SEC 17-38S-26E

# CORRELATION COREGRAPH

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc., (all errors or omissions excepted); but Core Laboratories, Inc., and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

Total Water \_\_\_\_\_  
 PERCENT PORE SPACE  
 100 80 60 40 20 0

Oil Saturation \_\_\_\_\_  
 PERCENT PORE SPACE  
 0 20 40 60 80 100

**Gamma Ray**

RADIATION INCREASE →

**Permeability** x 0.1

MILLIDARCIES

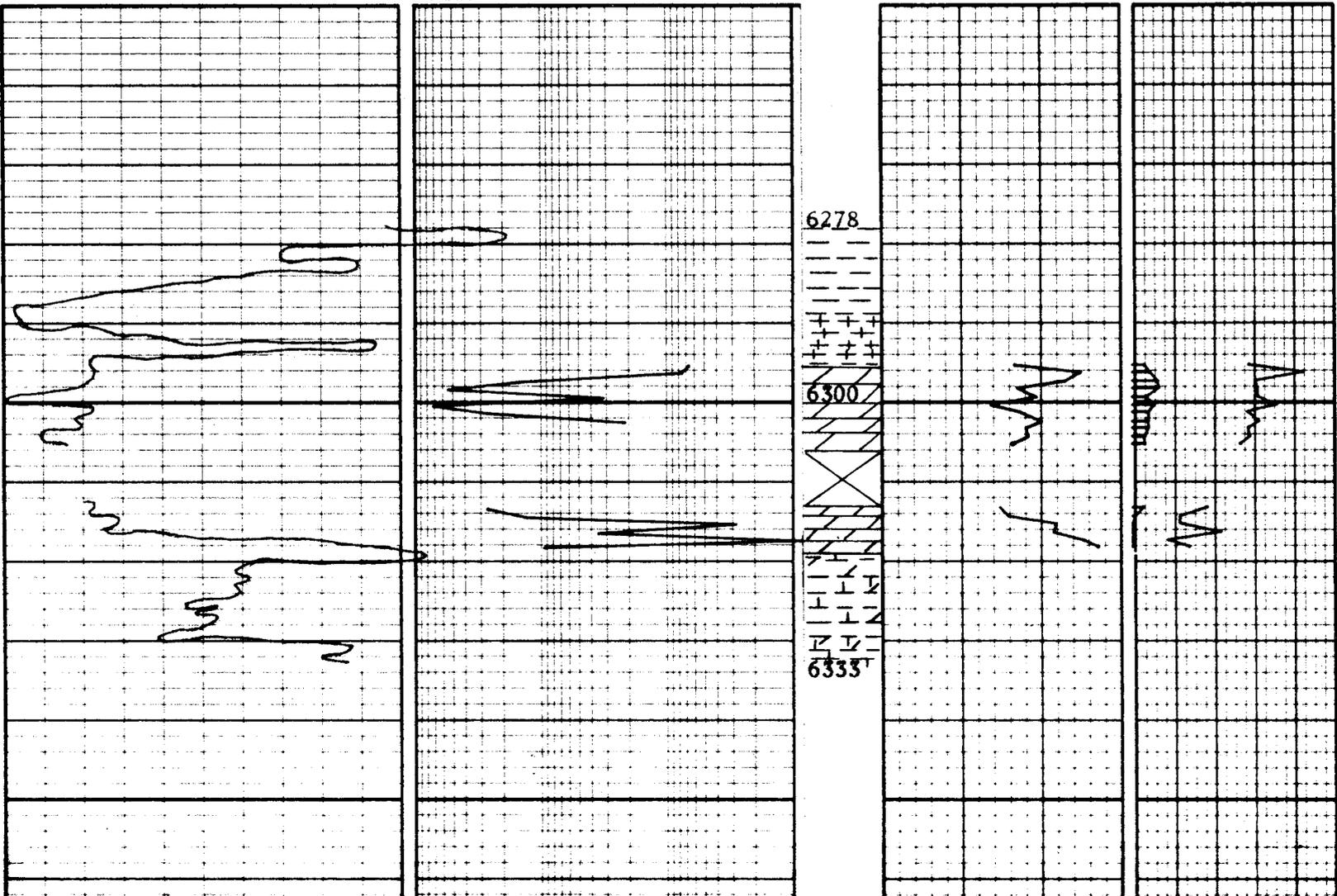
**Porosity** \_\_\_\_\_

PERCENT

1000 100 10 1

Depth  
Feet

30 20 10 0 0 20 40 60 80 100



## CORE SUMMARY AND CALCULATED RECOVERABLE OIL

FORMATION NAME AND DEPTH INTERVAL: **Desert Creek - 6295.0-6306.0 Feet**

FEET OF CORE RECOVERED FROM ABOVE INTERVAL	11	AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE	35.9
FEET OF CORE INCLUDED IN AVERAGES	9	AVERAGE CONNATE WATER SATURATION: PER CENT OF PORE SPACE	30 (e)
AVERAGE PERMEABILITY: MILLIDARCY	27.2	OIL GRAVITY: °API	42 (e)
PRODUCTIVE CAPACITY: MILLIDARCY-FEET	245.2	ORIGINAL SOLUTION GAS-OIL RATIO: CUBIC FEET PER BARREL	
AVERAGE POROSITY: PER CENT	11.0	ORIGINAL FORMATION VOLUME FACTOR: BARRELS SATURATED OIL PER BARREL STOCK-TANK OIL	1.40 (e)
AVERAGE RESIDUAL OIL SATURATION: PER CENT OF PORE SPACE	9.0	CALCULATED ORIGINAL STOCK-TANK OIL IN PLACE: BARRELS PER ACRE-FOOT	426

Calculated maximum solution gas drive recovery is \_\_\_\_\_ barrels per acre-foot, assuming production could be continued until reservoir pressure declined to zero psig. Calculated maximum water drive recovery is \_\_\_\_\_ barrels per acre-foot, assuming full maintenance of original reservoir pressure, 100% areal and vertical coverage, and continuation of production to 100% water cut. *(Please refer to footnotes for further discussion of recovery estimates.)*

(c) Calculated      (e) Estimated      (m) Measured      (\*) Refer to attached letter.

### INTERPRETATION OF DATA

6295.0-6306.0 Feet - Believed to be oil productive.  
6313.0-6319.0 Feet - Water productive where permeable.

*These recovery estimates represent theoretical maximum values for solution gas and water drive. They assume that production is started at original reservoir pressure; i.e., no account is taken of production to date or of prior drainage to other areas. The effects of factors tending to reduce actual ultimate recovery, such as economic limits on oil production rates, gas-oil ratios, or water-oil ratios, have not been taken into account. Neither have factors been considered which may result in actual recovery intermediate between solution gas and complete water drive recoveries, such as gas cap expansion, gravity drainage, or partial water drive. Detailed predictions of ultimate oil recovery to specific abandonment conditions may be made in an engineering study in which consideration is given to overall reservoir characteristics and economic factors.*

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc., and its officers and employees assume no responsibility and make no warranty or representation as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: NE SW 1966' FSL, 2113' FWL  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Supplementary History			X

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

**RECEIVED**  
JUN 25 1981  
DIVISION OF  
OIL, GAS & MINING

5. LEASE  
U - 23161

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-

7. UNIT AGREEMENT NAME  
-

8. FARM OR LEASE NAME  
Bug

9. WELL NO.  
16

10. FIELD OR WILDCAT NAME  
Bug

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
17-36S-26E., SLB&M

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

14. API NO.  
43-037-30607

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
KB 6611.30' GR 6596'

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to the work.)

TD 6370', PBD 6341', waiting to test.

Landed 5 1/2" OD, 17#, K-55, 8rd thd, LT&C casing at 6368.93' KBM, set with 550 sacks of 50-50 Pozmix cement with 2% gel, good returns, cement in place April 14, 1981, rigged up work over, perforated 6302-6310' with 2 holes per foot, landed 2-7/8" tubing at 6195.08', released work over rig, waiting to test.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Lee Martin TITLE Asst Drlg Supt. DATE June 22, 1981

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. U - 23161					
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -					
2. NAME OF OPERATOR Wexpro Company		7. UNIT AGREEMENT NAME -					
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		8. FARM OR LEASE NAME Bug					
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface NE SW 1966' FSL, 2113' FWL At top prod. interval reported below At total depth		9. WELL NO. 16					
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT Bug - Desert Creek					
API #: 43-037-30607		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 17-36S-26E., SLB&M					
15. DATE SPUDED 3-19-81	16. DATE T.D. REACHED 4-12-81	17. DATE COMPL. (Ready to prod.) 7-11-81	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* KB 6611.30' GR 6596'				
19. ELEV. CASINGHEAD -	20. TOTAL DEPTH, MD & TVD 6370						
21. PLUG, BACK T.D., MD & TVD 6341	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS 0 - 6370				
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6302 - 6310' Desert Creek Porosity			25. WAS DIRECTIONAL SURVEY MADE No				
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, CNL/FDC			27. WAS WELL CORED Yes				
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
9-5/8	36	2,027.17	12-1/4	825	0		
5-1/2	17	6,368.93	8-3/4	550	0		
29. LINER RECORD			30. TUBING RECORD				
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8	6,195.08	-
31. PERFORATION RECORD (Interval, size and number) 6302-6310', jet, 2 holes per foot				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED						
33.* PRODUCTION							
DATE FIRST PRODUCTION 7-9-81		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut in	
DATE OF TEST 7/9-11/81	HOURS TESTED 55	CHOKE SIZE 12/64	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO 1560:1
FLOW. TUBING PRESS. 1680	CASING PRESSURE 1960	CALCULATED 24-HOUR RATE →	OIL—BBL. 412.89	GAS—MCF. 644	OIL GRAVITY-API (CORR.)		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented while testing				TEST WITNESSED BY			
35. LIST OF ATTACHMENTS Logs as above							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Robert L. Rasmussen</u>		TITLE <u>Staff Engineer</u>		DIVISION OF <u>OIL, GAS &amp; MINING</u>		July 13, 1981	

**RECEIVED**  
JUL 16 1981

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				MEAS. DEPTH	TRUE VERT. DEPTH
				38. Log tops:	
				Morrison	0'
				Entrada	1,101
				Carmel	1,256
				Navajo	1,286
				Chinle	1,976
				Shinarump	2,694
				Cutler	2,954
				Honaker Trail	4,669
				Paradox	5,351
				Upper Ismay	5,806
			Lower	Upper Ismay	5,992
			Lower	Ismay Shale	6,045
			Lower	Ismay Porosity	6,174'
				B Zone	6,189
				Desert Creek	6,238
			Lower Bench	Desert Creek	6,292
			Desert	Creek Porosity	6,302
			Base Desert	Creek Porosity	6,323
				Salt	6,368'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP  
(Other instruction  
verse side)

100721

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Wexpro Company		8. FARM OR LEASE NAME Bug	
3. ADDRESS OF OPERATOR P. O. Box 458, Rock Springs, Wyoming 82902		9. WELL NO. 16	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  NE SW, 1966' FSL, 2113' FWL		10. FIELD AND POOL, OR WILDCAT Desert Creek	
14. PERMIT NO. 43-037-30607		12. COUNTY OR PARISH San Juan	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 6596'		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Resume production</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

On September 22, 1986 at 2:00 pm the well was put back on production to test the well. We will notify you by sundry notice if the well is to be shut-in.

*shut-in*

RECEIVED  
OCT 03 1986

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct  
SIGNED [Signature] TITLE Director Petroleum Eng. DATE September 29, 1986

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0130  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
**Wexpro Company**

3. ADDRESS OF OPERATOR  
**P. O. Box 458, Rock Springs, Wyoming 82902**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**NE SW, 1966' FSL, 2113' FWL**

14. PERMIT NO. **43-037-30607**

15. ELEVATIONS (Show whether DF, RT, CR, etc.)  
**GR 6596'**

**RECEIVED**  
**DEC 09 1986**  
**DIVISION OF OIL, GAS & MINING**

5. LEASE DESIGNATION AND SERIAL  
**U-23161**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Bug**

9. WELL NO.  
**16**

10. FIELD AND POOL, OR WILDCAT  
**Desert Creek**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**17-36S-26E**

12. COUNTY OR PARISH **San Juan**

13. STATE **Utah**

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Other) **Commingled Production**

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The above captioned well is a nonproducing oil well. When producing, production is produced to "B" Battery where separation of gas and oil occurs. The gas is metered according to CDM Regulations and oil is produced to tanks where oil volumes are gauged via tank gauges. It is the request of the Wexpro Company that fluids from Bug Wells No. 15 and 16 be produced into the same flowline and commingled for transportation to "B" Battery. Separation of production will occur on "B" Battery and production allocation based on monthly test of each well. Production from Bug Wells No. 13, 15 and 16 will be commingled in the same tank. Bug Wells No. 13, 15 and 16 have the same working interest, same royalty burden and are drilled on the same lease.

Should there be any questions concerning this, please advise.

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

SIGNED *A.K. Logan* TITLE \_\_\_\_\_ DATE 12-4-86

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**Federal approval of this action is required before commencing operations.**

\*See Instructions on Reverse Side

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 12-10-86

BY: *Man R. Boy*

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**SUBMIT IN TRIPPLICATE\***  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Wexpro Company

3. ADDRESS OF OPERATOR

P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

NE SW 1966' FSL, 2113' FWL

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)

43-037-30607 GR 6596'

5. LEASE DESIGNATION AND SERIAL NO.

U-23161-

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

052608 POW

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bug

9. WELL NO.

16

10. FIELD AND POOL, OR WILDCAT

Desert Creek

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA

17-36S-26E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

Shut Well In

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The above captioned well has been tested to observe if the well can reestablish production after a prolonged shut-in. The well reestablished producing within one month and produced approximately 55 BOPD, 100 MCFPD and 742 BWPD. At these production rates, the price of oil needs to be approximately \$22.00/barrel to produce the well commercially. The Wexpro Company is requesting that the well be allowed to be shut-in until the price returns to the aforementioned amount. Wexpro will notify the BLM when the well will be turned on.

**RECEIVED**  
MAY 21 1987

DIVISION OF  
OIL, GAS & MINING

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

SIGNED Thomas M. G. Sn

TITLE Director Pet. Eng.

DATE 5-19-87

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

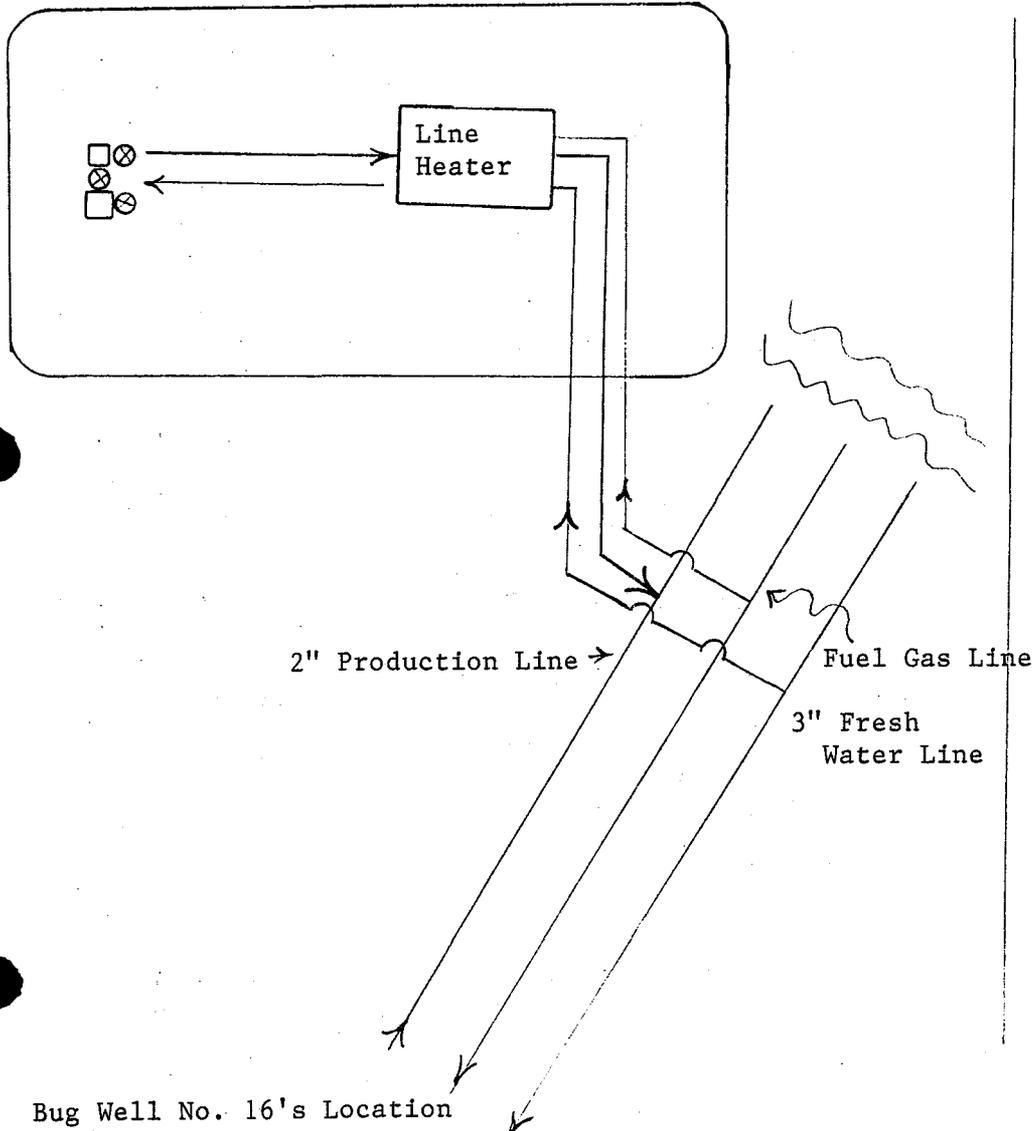
TITLE \_\_\_\_\_

DATE \_\_\_\_\_

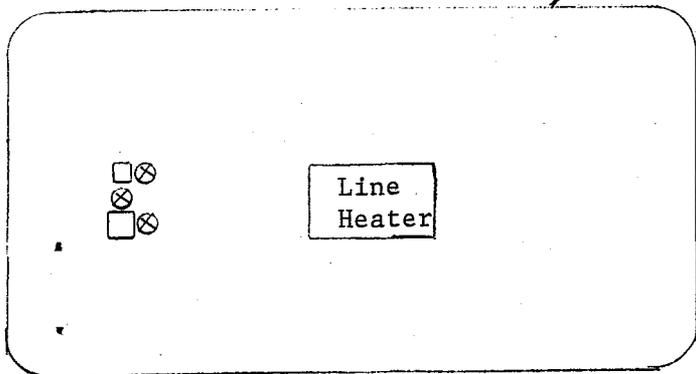
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

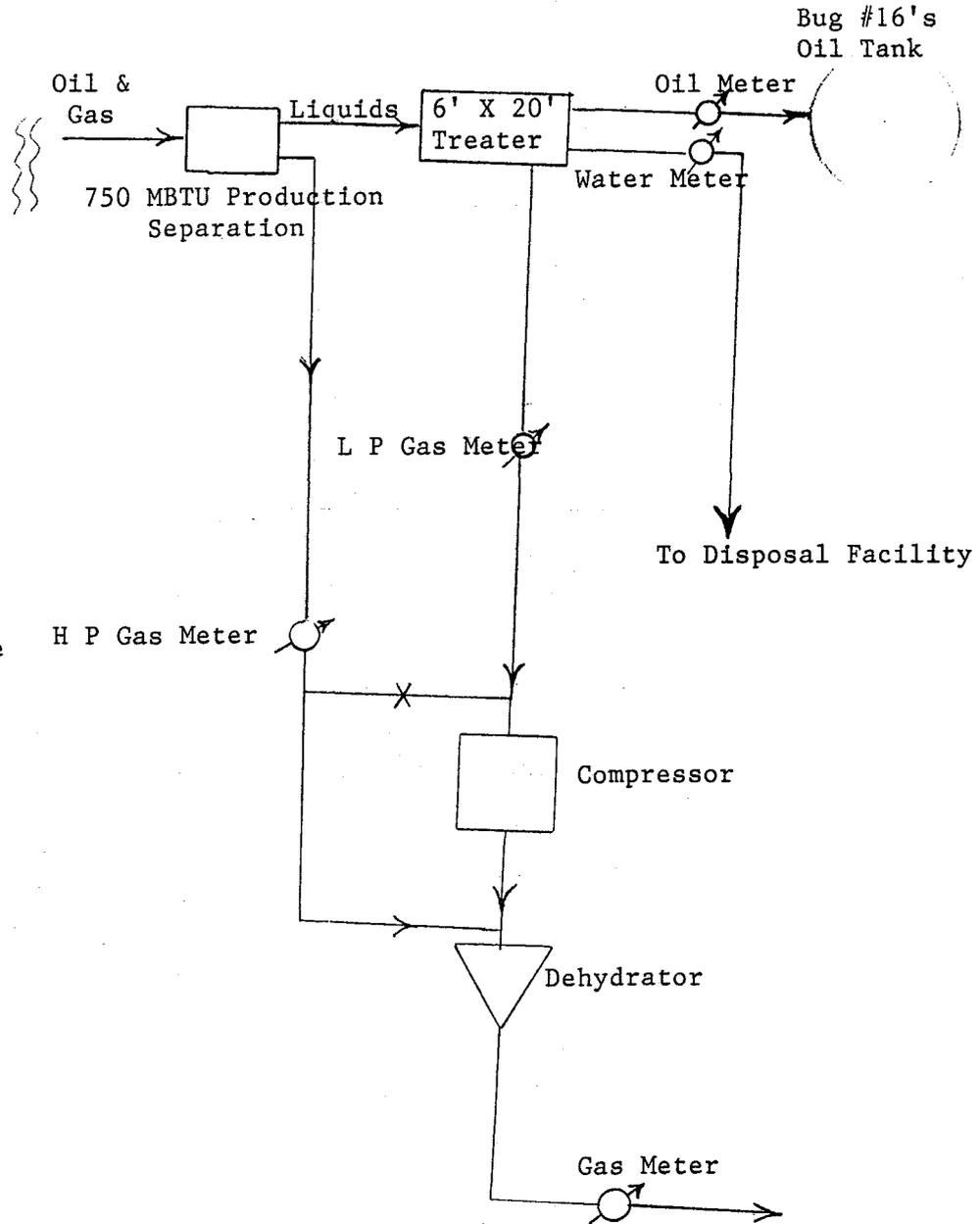
Bug Well No. 15's Location



Bug Well No. 16's Location



"B" Battery



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

MAY 13 1988

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
NE SW 1966' FSL, 2113' FWL

14. PERMIT NO. 43-037-30607

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GR 6596'

5. LEASE DESIGNATION AND SERIAL NO.  
U-23161

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
Bug

9. WELL NO.  
16

10. FIELD AND POOL OR WILDCAT  
Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
17-36S-26E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO :		SUBSEQUENT REPORT OF :	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Shut Well In</u>	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The above captioned well has been tested to observe if the well can reestablish production after a prolonged shut-in. The well reestablished production during 1986 within one month of turn on and produced approximately 55 BOPD, 100 MCFPD and 742 BWPD. At these production rates, the price of oil needs to be approximately \$22.00/barrel to produce the well commercially. Wexpro Company is requesting that the well be allowed to be shut-in until the price returns to the aforementioned amount. Wexpro will notify the BLM when the well will be turned on.

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

SIGNED [Signature] TITLE District Manager DATE 5/1/88

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

81

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
August 1983

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Wexpro Company

3. ADDRESS OF OPERATOR  
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements.  
See also space 17 below.)  
At surface  
NE SW, 1966' FSL, 2113' FWL

14. PERMIT NO. 430-037-30607

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
GR 6596'

RECEIVED  
MAR 24 1989

DIVISION OF  
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
U-23161

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Bug

9. WELL NO.  
16

10. FIELD AND POOL, OR WILDCAT  
Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
17-36S-26E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Shut Well In

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The above captioned well has been tested to observe if the well can reestablish production after a prolonged shut-in. The well reestablished production during 1986 within one month of turn on and produced approximately 55 BOPD, 100 MCFPD and 742 BWPD. At these production rates, the price of oil needs to be approximately \$22.00/barrel to produce the well commercially. Wexpro Company is requesting that the well be allowed to be shut-in until the price returns to the aforementioned amount. Wexpro will notify the BLM when the well will be turned on.

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

SIGNED [Signature] TITLE District Manager DATE March 22, 1989

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

[Handwritten mark]

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

U-23161

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bug

9. WELL NO.

16

10. FIELD AND POOL OR WILDCAT

Desert Creek

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA

17-36S-26E

12. COUNTY OR PARISH 13. STATE

San Juan Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Wexpro Company

3. ADDRESS OF OPERATOR

P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with state requirements. See also space 17 below.)  
At surface

NE SW, 1966' FSL, 2113' FWL

RECEIVED  
APR 12 1989

14. PERMIT NO.

430-037-30607

15. ELEVATIONS (Show whether DR or DIVISION OF)

GR 6596'

OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other) Recomplete

X

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The well is currently completed as a shut-in Desert Creek producer over the interval of 6302-6310 feet KBM. The well has been shut-in due to the high water-cut (93%) and corresponding poor economics. Wexpro Company would like to temporarily abandon the Desert Creek by setting a DR plug in the permanent packer and pressure testing the same to 1500 psi. Wexpro Company would then perforate the Lower Ismay from 6176-6186 feet KBM and test the Ismay for gas potential. If necessary, a 20,000 gallon, 65% Q, 28% HCL acid treatment would be utilized to stimulate the well. The well would be flow tested and produced to the Bug B Battery for gas sales. Should the zone be unproductive, plans will be made to plug and abandon the well or wait for higher oil prices to produce the Desert Creek reserves.

The 19' X 16' X 4' emergency pit on location will be used to hold the returned acid.

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

SIGNED

TITLE District Manager

DATE April 10, 1989

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

Federal approval of this action is required before commencing operations.

\*See Instructions on Reverse Side

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE 4-26-89 BY John R. Duff

(November 1982)  
(Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

PLEASE READ INSTRUCTIONS ON REVERSE SIDE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO

U - 23161

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

---

7. UNIT AGREEMENT NAME

---

8. FARM OR LEASE NAME

Bug

9. WELL NO.

16

10. FIELD AND POOL, OR WILDCAT

Desert Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

17-36S-26E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Wexpro Company

3. ADDRESS OF OPERATOR

P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (Report location clearly and in accordance with applicable requirements. See also space 17 below.)  
At surface

NE SW, 1966' FSL, 213' FWL

RECEIVED  
JUN 08 1989

MICROFILM DIVISION OF  
OIL, GAS & MINING

14. PERMIT NO.

43-037-30607

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB 6611.30' GR 6591'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

A workover was conducted on the above captioned well which abandoned the Desert Creek by setting a DR plug in the permanent packer at 6265' KBM, and perforating the Ismay formation over the interval of 6176 - 6186 feet KBM. The zone was acid fractured with 10,000 gallons of 65Q brine and 20,000 gallons of 60Q foamed 28 percent HCL. The well was flow tested from June 1 - June 3, 1989 where the flow rates stabilized at 1427 MCFPD with 1475 psi tubing pressure and 1580 psi casing pressure.

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

SIGNED

*G. J. [Signature]*

TITLE District Manager

DATE

060589

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE  
(See other instructions on reverse side)

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. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Wexpro Company  
 3. ADDRESS OF OPERATOR  
P. O. Box 458, Rock Springs, WY 82902  
 4. LOCATION OF WELL (Report location clearly and in accordance with any well requirements)  
 At surface NE SW 1966' FSL, 2113' FWL  
 At top prod. interval reported below  
 At total depth

RECEIVED  
JUN 08 1989  
DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
U - 23161  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
\_\_\_\_\_  
 7. UNIT AGREEMENT NAME  
\_\_\_\_\_  
 8. FARM OR LEASE NAME  
Bug  
 WELL NO.  
16  
 9. FIELD AND POOL, OR WILDCAT  
Desert Creek  
 11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA  
17-36S-26E

14. PERMIT NO. API 43-037-30607 DATE ISSUED 10/15/80  
 12. COUNTY OR PARISH San Juan 13. STATE Utah

15. DATE SPUNDED 3/19/81 16. DATE T.D. REACHED 4/12/81 17. DATE COMPL. (Ready to prod.) 7/11/81  
 18. ELEVATIONS (OF. RKB, RT, GR, ETC.)\* KB 6611.30' GR 6596' 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD 6370 21. PLUG, BACK T.D., MD & TVD 6265 22. IF MULTIPLE COMPLET. HOW MANY 2  
 23. INTERVALS DRILLED BY ROTARY TOOLS 0-6370 CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Ismay 6176' - 6186' KBM, Workover on 5/29 - 5/31, 1989  
 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DIL, CNL/FDC Bond Log 27. WAS WELL CORED Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8	36	2,027	12-1/4	825 SKS	
5-1/2	17	6,368	8-3/4	550 SKS	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SOBBEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6116.66	NA

31. PERFORATION RECORD (Interval, size and number)  
6176'-6186' 4 spf .38"

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6176'-6186'	10,000 gal. 65Q Foamed Brine
	20,000 gal. 60Q 28% HCL/Acid

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/2/89	22 hours	16-1/2	→	---	1308		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
1475	1580	→		1427	NA	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Vented, will be sold when hooked up.  
 TEST WITNESSED BY  
Jim Milligan

35. LIST OF ATTACHMENTS

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

SIGNED [Signature] TITLE District Manager DATE 06/08/89

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

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.

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.

38. GEOLOGIC MARKERS

NAME MEAS. DEPTH TOP TRUE VERT. DEPTH

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1- TAS	✓
2- MICROFILM	✓
3- FILE	✓

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

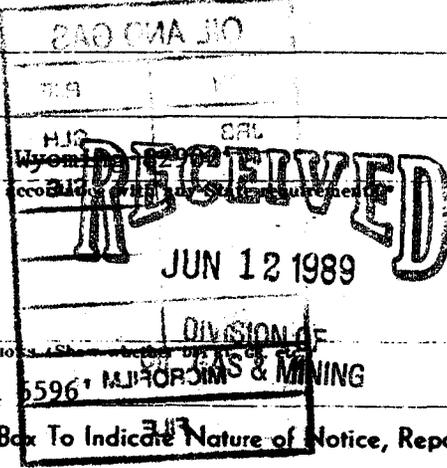
SUBMIT IN TRIPLI  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 1004 0125  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO U-23161	
2. NAME OF OPERATOR Wexpro Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---	
3. ADDRESS OF OPERATOR P. O. Box 458, Rock Springs, Wyoming		7. UNIT AGREEMENT NAME ---	
4. LOCATION OF WELL (Report location clearly and in accordance with BLM Survey requirements. See also space 17 below.) At surface NE SW, 1966' FSL, 2113' FWL		8. FARM OR LEASE NAME Bug	
14. PERMIT NO. 30607 43-037-03607		9. WELL NO. 16	
15. ELEVATION GR 5596'		10. FIELD AND POOL, OR WILDCAT Bug	
16. PERMIT NO. 30607		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA 17-36S-26E	
17. COUNTY OR PARISH San Juan		13. STATE Utah	



16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(Other) **Commingle**

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The aforementioned well was recently completed in the Ismay Formation. In order to deplete the Ismay Formation, the well will be produced to the Bug Battery "B" Facility. Attached for your information is a facility drawing depicting the proposed producing scheme. The high pressure gas produced from the well will be measured independently. The oil and water produced from the well will be metered by positive displacement meters at the production pack and dumped to a treater currently serving Bug #15. The low pressure gas associated with fluids from Bug #16 will be commingled with the gas from Bug #15 and metered downstream of the treater. Oil produced from Bug #16 will be commingled with production from Bug Wells #13 and 15. Bug Wells #13, 15 & 16 are drilled on the same lease and have identical working and royalty interests.

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

SIGNED [Signature] TITLE District Manager DATE June 8, 1989

(This space for Federal or State office use)

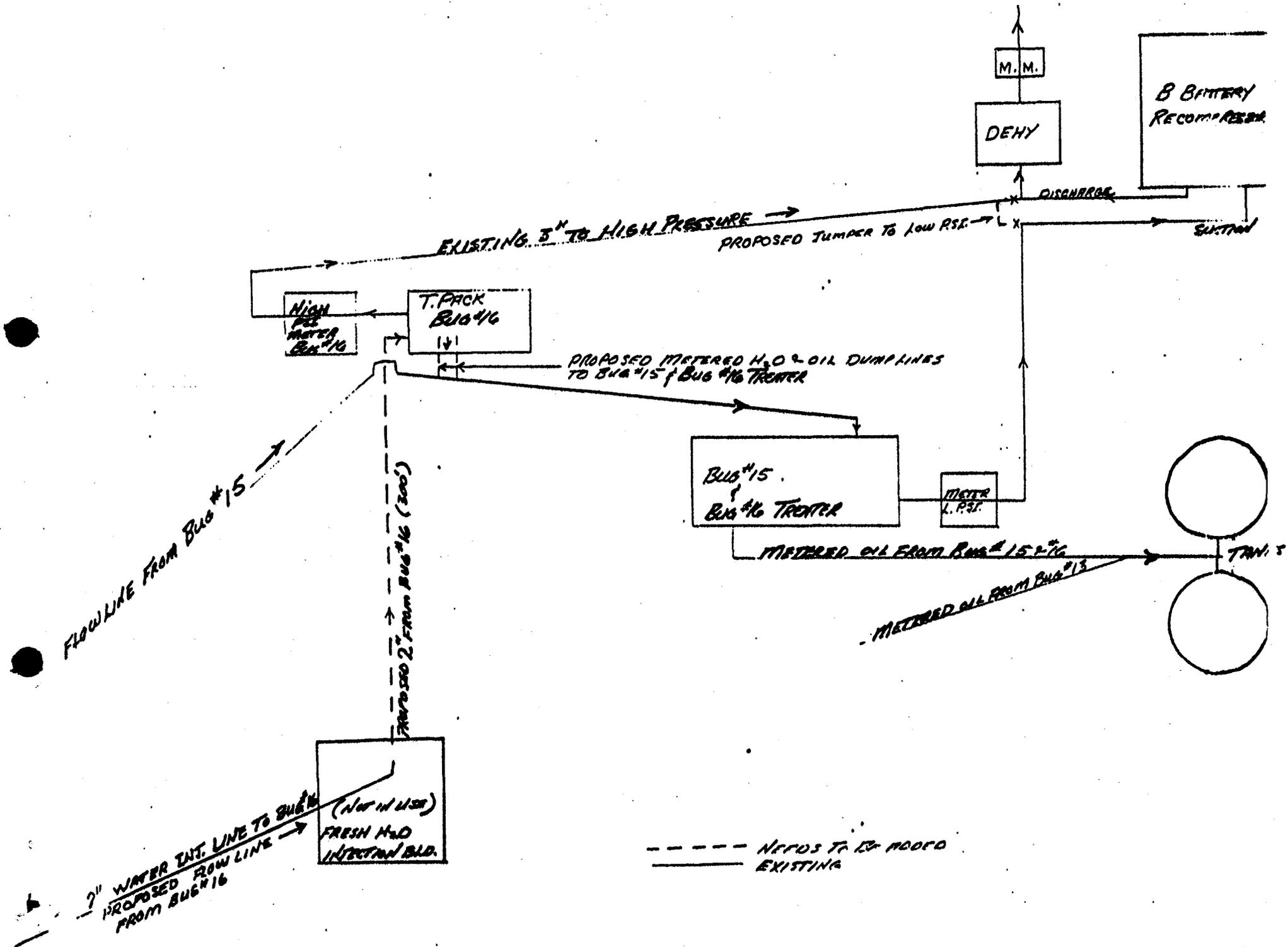
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

\*See Instructions on Reverse Side

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 6-21-89  
BY: [Signature]



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No 1004-1135  
Expires September 30 1990

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No  
**U-23161**

6. If Indian, Allottee or Tribe Name  
---

7. If Unit or CA, Agreement Designation  
---

8. Well Name and No.  
**Bug Well No. 16**

9. API Well No.  
**43-037-30607** *TA*

10. Field and Pool, or Exploratory Area  
**Bug**

11. County or Parish, State  
**San Juan, Utah**

**SUBMIT IN TRIPLICATE**

OCT 03 1990

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Wexpro Company**

3. Address and Telephone No.  
**P. O. Box 458, Rock Springs, WY 82902 307-382-9791**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1966' FSL, 2113' FWL, NE SW, 17-36S-26E**

12. CHECK APPROPRIATE BOX(S) 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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection

**Flare Gas**  
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On October 2, 1990, Bug Battery B Compressor was shut-in for emergency overhaul. It is anticipated that the overhaul will be completed in seven days. While the compressor is down, approximately 214 MCFPD will be vented to the atmosphere. The vented gas is produced from Bug Wells No. 4, 13, 14, 15 and 16. The volume of flared gas will be reported on the Monthly Report of Operations.

This procedure was approved by Eric Jones of the Moab District Office.

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 10/15/90  
BY: [Signature]

OIL AND GAS	
DFN	<input checked="" type="checkbox"/> R/JF
JPB	<input type="checkbox"/> G/H
DIS	<input checked="" type="checkbox"/> S/S
<i>3 SAH</i>	
<i>4 DML</i>	
<b>45 MICROFILM</b> <input checked="" type="checkbox"/>	
<i>56</i>	<b>FILE</b>

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

Signed [Signature] Title District Manager Date 10/02/90  
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No 1004-0135  
Expires: Nov. 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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. SEE BELOW
2. Name of Operator WEXPRO COMPANY		6. If Indian, Allottee or Tribe Name NA
3a. Address P. O. BOX 458, ROCK SPRINGS, WYOMING 82902-0458	3b. Phone No. (include area code) 307-382-9791	7. If Unit or CA/Agreement, Name and/or No. BUG FIELD
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEE BELOW		8. Well Name and No. SEE BELOW
		9. API Well No. SEE BELOW
		10. Field and Pool, or Exploratory Area BUG FIELD
		11. County or Parish, State SAN JUAN COUNTY, UTAH

43-037-30607

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"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<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
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other VARIANCE

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 recomplate horizontally, give subsurface locations and 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 recompletion is 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.)

Wexpro Company is requesting a variance from Onshore Order No. 5, III.B.17 which requires meter calibrations on a quarterly basis. Wexpro Company is requesting that meter calibrations be performed on the following wells on a semi-annual basis:

Bug Well No. 4 NE SW 16-36S-26E San Juan County, Utah Lease No. M:-27026 Meter Location 0371 API No. 43-037-30542 Produces 57 MCFPD	Bug Well No. 15 NE NE 17-36S-26E San Juan County, Utah Lease No. U-23161 Meter Location 2518 API No. 43-037-30606 Produces 85 MCFPD	Bug Well No. 16 NE SW 17-36S-26E San Juan County, Utah Lease No. U-23161 Meter Location 3743 API No. 43-037-30607 Produces 18 MCFPD
---	---	---

**RECEIVED**

JUL 18 2001

DIVISION OF  
OIL, GAS AND MINING

CONTINUED ON PAGE TWO

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

Name (Printed/Typed) G. T. Nimmo	Title Operations Manager
Signature 	Date July 12, 2001

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 and Title 43 U.S.C. Section 1212, make 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.

**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

5. Lease Serial No.  
SEE BELOW

6. If Indian, Allottee or Tribe Name  
NA

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

8. Well Name and No.  
SEE BELOW

9. API Well No.  
SEE BELOW

10. Field and Pool, or Exploratory Area  
BUG FIELD

11. County or Parish, State  
SAN JUAN COUNTY, UTAH

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
WEXPRO COMPANY

3a. Address  
P. O. BOX 458, ROCK SPRINGS, WYOMING 82902-0458

3b. Phone No. (include area code)  
307-382-9791

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

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"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other VARIANCE

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 recomplate horizontally, give subsurface locations and 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 recompletion is 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.)

The request for variance is based on the following reasons:

- (1) Questar Gas Management takes delivery of the gas produced from the Bug B Battery located in the NW NW 16-36S-26E, through Meter Location 375 (Master Meter) which is the delivery and royalty point for the gas produced from the above wells.
- (2) The well meters listed are for allocation purposes only.
- (3) A change from quarterly to semi-annual meter calibrations would be more cost effective for Wexpro due to the low gas production.
- (4) Conducting meter calibrations on a semi-annual basis would not have a negative impact on royalties or royalty payments.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 7/23/01  
By: D. R. Dewey

Federal Approval Of This  
Action Is Necessary

COPY SENT TO OPERATOR  
File: 7-23-01  
Initials: CHD

RECEIVED

JUL 18 2001

DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: Nov. 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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U-23161
2. Name of Operator WEXPRO COMPANY		6. If Indian, Allottee or Tribe Name NA
3a. Address P. O. BOX 458, ROCK SPRINGS, WY 82902	3b. Phone No. (include area code) 307-382-9791	7. If Unit or CA/Agreement, Name and/or No. BUG
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2113' FWL, 1966' FSL NE SW 17-36S-26E		8. Well Name and No. BUG WELL NO. 16
		9. API Well No. 43-037-30607
		10. Field and Pool, or Exploratory Area BUG
		11. County or Parish, State SAN JUAN COUNTY, UTAH

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 CORRECTION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	OF TYPE OF PRODUCTION
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	FORMATION CORRECTION

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 recompleat horizontally, give subsurface locations and 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 recompleat is 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.)

The above well was recompleted, with all required information submitted to the BLM, during the month of June 1989. At that time the Desert Creek formation was temporarily abandoned by setting a DR plug in the permanent packer and the Lower Ismay was perforated.

Bug Well No. 16 was completed as a gas well and has been producing as such since the time of the Completion report of 06/05/89. The type of well has not been changed.

Wexpro requests, by this Sundry, the type of well is amended to a Gas Well and the formation corrected to the Lower Ismay Formation for all records from 06/89 until present.

RECEIVED

APR 29 2004

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) G. T. NIMMO	Title OPERATIONS MANAGER
Signature 	Date April 22, 2004

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 and Title 43 U.S.C. Section 1212, make 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.

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Bug Field</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>Multiple</u>
2. NAME OF OPERATOR: <u>Wexpro Company</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: PO Box 45601 CITY <u>Salt Lake City</u> STATE <u>UT</u> ZIP <u>84145</u>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: <u>Bug Field (Multiple Wells)</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>36S 26E</u>		9. API NUMBER: <u>Multiple</u>
COUNTY:		10. FIELD AND POOL, OR WILDCAT: <u>Desert Creek / Ismay</u>
STATE: <u>UTAH</u>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Per conversation w/ Earlene Russell. Effective 08/01/2005, Synergy Operating, LLC (N2795) has taken over the operator responsibility of the following wells.

- Bug # 4 (43-037-30542) - State of Utah Lease ML-27026
- Bug # 8 (43-037-30589) - BLM Lease U-43653
- Bug # 13 (43-037-30610) - BLM Lease U-23161
- Bug # 14 (43-037-30605) - BLM Lease U-23161
- Bug # 15 (43-037-30606) - BLM Lease U-23161
- Bug # 16 (43-037-30607) - BLM Lease U-23161
- Bug # 17 (43-037-30793) - State of Utah Lease ML-27026
- Bug # 12 (SWD) - (43-037-30595) - Fee Lease
- Bug "B" Battery
- Bug "C" Battery
- Bug Compressor

} no impact at DOGM (Erussell)

A copy of this document will also be submitted to the State of Utah directly from Synergy Operating, LLC's office.

NAME (PLEASE PRINT) <u>James R. Livsey</u>	TITLE <u>Vice President</u>
SIGNATURE <u><i>James R Livsey</i></u>	DATE <u>February 6, 2006</u>

(This space for State use only)

**APPROVED** 2128106  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

**RECEIVED**  
**FEB 10 2006**

DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Bug Field</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>Multiple</b>
2. NAME OF OPERATOR: <b>Synergy Operating, LLC</b> N2795		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: PO Box 5513 CITY <u>Farmington</u> STATE <u>NM</u> ZIP <u>87499</u> PHONE NUMBER: <u>(505) 325-5449</u>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY:		8. WELL NAME and NUMBER: <b>Bug Field (Multiple Wells)</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>36S 26E</b> STATE: <b>UTAH</b>		9. API NUMBER: <b>Multiple</b>
		10. FIELD AND POOL, OR WILDCAT: <b>Desert Creek / Ismay</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

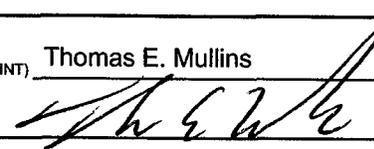
Per conversation w/ Earlene Russell. Effective 08/01/2005, Synergy Operating, LLC (N2795) has taken over the operator responsibility of the following wells.

- Bug # 4 (43-037-30542) - State of Utah Lease ML-27026
- Bug # 8 (43-037-30589) - BLM Lease U-43653
- Bug # 13 (43-037-30610) - BLM Lease U-23161
- Bug # 14 (43-037-30605) - BLM Lease U-23161
- Bug # 15 (43-037-30606) - BLM Lease U-23161
- Bug # 16 (43-037-30607) - BLM Lease U-23161
- Bug # 17 (43-037-30793) - State of Utah Lease ML-27026
- Bug # 12 (SWD) - (43-037-30595) - Fee Lease

*BLM UT-924*

Bug "B" Battery  
Bug "C" Battery  
Bug Compressor } *no impact at DOGM (Earlene)*

A copy of this document will also be submitted to the State of Utah directly from Wexpro/QEP's office.

NAME (PLEASE PRINT) <u>Thomas E. Mullins</u>	TITLE <u>Engineering Manager</u>
SIGNATURE 	DATE <u>1-31-2006</u>

(This space for State use only)

**APPROVED** 2/28/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

**RECEIVED**

**FEB 10 2006**

DIV. OF OIL, GAS & MINING



7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA n/a

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/15/2006

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 2/28/2006

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2006

3. Bond information entered in RBDMS on: 2/28/2006

4. Fee/State wells attached to bond in RBDMS on: 2/28/2006

5. Injection Projects to new operator in RBDMS on: n/a

6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT0924

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number BOK06SDP01525

2. The FORMER operator has requested a release of liability from their bond on: \*\*

The Division sent response by letter on: \*\*Joint bond with QEP, & QEP Uinta Basin

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_