Form 3160-5
(November 1983)
(Formerly 9-331)

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
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.: Jicarilla Contract 459

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME:

OIL WELL — GAS WELL X OTHER

2. NAME OF OPERATOR: Robert L. Bayless

8. FARM OR LEASE NAME: Jicarilla 459

3. ADDRESS OF OPERATOR: P.O. Box 168, Farmington, NM 87499

9. WELL NO.: 3

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1658' FNL & 1901' FEL

10. FIELD AND POOL, OR WILDCAT: Undes. Ojo Alamo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 18, T30N, R3W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 7074' GL 7086' RKB

12. COUNTY OR PARISH: Rio Arriba

13. STATE: NM

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) Multiple completion	X
(Other)		(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.)*

Well was completed in the Ojo Alamo formation and tested. Gas analysis confirms presence of hydrogen sulfide in concentrations varying from 0 to 1400 ppm (see attached gas analysis sheets). Run tubing as shown in Attachment "A" with Ojo Alamo open, Pictured Cliffs closed. Clean up Ojo Alamo. Close sliding sleeve to shut off Ojo Alamo perforations. Open Pictured Cliffs. Clean zone to pit. Put Pictured Cliffs back on pipeline. Leave Ojo Alamo shut in for further evaluation.

RECEIVED
JUL 13 1989
OIL CON. DIV.
DIST. 3

CONFIDENTIAL

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

SIGNED Price M. Bayless TITLE Engineer DATE 6/30/89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

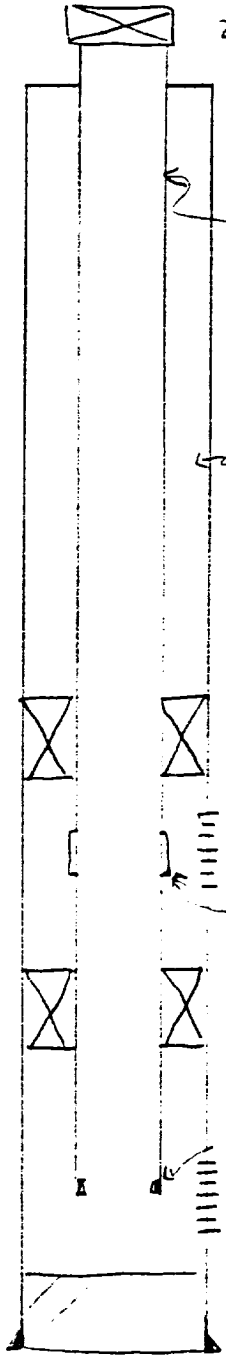
ACCEPTED FOR RECORD
JUL 06 1989
FARMINGTON RESOURCE AREA
BY K14

*See Instructions on Reverse Side

NMOCD

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.

Description	Length	Depth
KB to landing point	10.00	0 - 10
96 jts 2 3/8" 4.7# L-80 EUE tbg	3051.84	10 - 3062
AR1 SnapSet packer	5.52	3062 - 3067
2 jts 2 3/8" 4.7# L-80 EUE tbg	64.06	3067 - 3131
"T" sliding sleeve (1.87" ID)	3.42	3131 - 3135
2 jts 2 3/8" 4.7# L-80 EUE tbg	60.60	3135 - 3195
R3 double grip packer	6.90	3195 - 3202
16 jts 2 3/8" 4.7# L-80 EUE tbg	508.58	3202 - 3711
F Nipple (1.780" ID)	.93	3711 - 3712
	3711.85	



Note: Only undersize cups will go through sliding sleeve.

TECH INC.

333 E. Main St.

Farmington, NM 87401

DATE: 3-31-89

** GAS ANALYSIS **

Company name: R.L. Bayless Production

Well Name: JIC. 459 #3 | Formation:

Well Location : | County, State :RIO ARRIBA/NM

Lease No. : | Sample Source:

Submitted by : | Pit:

Date Sampled: 3-30-89 | Chart No.:

Depth (ft): | Sample Temp. (deg F):

Est. Production Rate (MCFD): | Sample Pressure (PSIG):

Analysis date: 3-31-89 | Sampled by:

Gas	Mole %	B.T.U.	G.P.M.	Sp. Gr.
1. Oxygen	0.000	0.000	0.000	0.0000
2. Nitrogen	0.000	0.000	0.000	0.0000
3. Methane	93.252	941.360	0.000	0.5165
4. CO2	0.023	0.000	0.000	0.0003
5. Ethane	5.647	99.870	0.000	0.0586
6. Propane	0.376	9.460	0.103	0.0057
7. Isobutane	0.291	9.460	0.095	0.0058
8. Butane	0.136	4.420	0.006	0.0027
9. i-Pentane	0.089	3.550	0.033	0.0022
10. Pentane	0.027	1.080	0.010	0.0006
11. Hexanes	0.159	7.560	0.065	0.0047
12. H2S	0.000	0.000	0.000	0.0000
Totals	100.000	1076.970	0.348	0.5971

Net (dry) heating value per cu. ft. @ 14.696 PSIA.

Note: B.T.U, G.P.M., and Sp. Gr. are calculated values based on ideal gas constants in the Engineering Data Book of the GPSA, 1981. Saturated gross heating value @ 14.696 PSIA may be determined by multiplying by 0.9826.

Tech [illegible]
[illegible] E. Main St.
Farmington, NM [illegible]

DATE: April 4 1989

Gas Analysis

Company name: R. L. Bayless

Well Name: Jicarilla 459-3 — Formation:

Well Location : — County/state :Rio Arriba NM

Lease No. : — Sample Source: Well head

Submitted by : Kevin McCord — Field:

Date sampled: 3-31-1989 — Cylinder No.:

Depth (ft): — Sample temp. (deg F):

Est. Production Rate (MCFD): — Sample Pressure (PSIG):

Analysis date: 3-03-1989 — Sampled by:

Gas	Mole %	B.T.U.	G.P.M.	Sp. Gr.
1. Oxygen	0.000	0.000	0.000	0.0000
2. Nitrogen	0.075	0.000	0.000	0.0007
3. Methane	92.210	931.040	0.000	0.5107
4. CO2	0.073	0.000	0.000	0.0011
5. Ethane	5.928	104.840	0.000	0.0615
6. Propane	0.838	21.030	0.230	0.0127
7. Isobutane	0.316	10.270	0.103	0.0063
8. Butane	0.137	4.460	0.043	0.0027
9. i-Pentane	0.094	3.750	0.034	0.0023
10. Pentane	0.029	1.160	0.010	0.0007
11. Hexanes	0.160	7.800	0.066	0.0047
12. H2S	0.140	0.080	0.000	0.0016
Totals	100.000	1084.290	0.487	0.6050

Net (dry) heating value per cu. ft. @ 14.696 PSIA.

Note: B.T.U, G.P.M., and Sp. Gr. are calculated values based on ideal gas constants in the Engineering Data Book of the GPSA, 1981. Saturated gross heating value @ 14.696 PSIA may be determined by multiplying by 0.9826.

TECH INC.

333 E. Main St.

Farmington, NM 87401

DATE: 4-26-89

** GAS ANALYSIS **

Company name: R.L. Bayless Production

Well Name: JICARILLA 459 #3 Formation: OJO ALAMO

Well Location : SW4 NE4 SEC 18 T30N R3WCounty/state :RIO ARRIBA/NEW MEXICO

Lease No. : Sample Source:

Submitted by : T. JONES Field:

Date sampled: 4-25-89 Cylinder No.:

Depth (ft): Sample temp. (deg F):

Est. Production Rate (MCFD): Sample Pressure (PSIG): 660

Analysis date: 4-26-89 Sampled by: T.JONES

Gas	Mole %	B.T.U.	G.P.M.	Sp. Gr.
1. Oxygen	0.000	0.000	0.000	0.0000
2. Nitrogen	0.000	0.000	0.000	0.0000
3. Methane	93.811	947.200	0.000	0.5196
4. CO2	0.064	0.000	0.000	0.0009
5. Ethane	4.839	85.580	0.000	0.0502
6. Propane	0.672	16.910	0.185	0.0102
7. Isobutane	0.249	8.090	0.081	0.0049
8. Butane	0.108	3.520	0.005	0.0021
9. i-Pentane	0.078	3.110	0.028	0.0019
10. Pentane	0.019	0.760	0.007	0.0004
11. Hexanes	0.130	6.180	0.053	0.0038
12. H2S	0.030	0.010	0.000	0.0003
Totals	100.000	1071.360	0.388	0.5943

Net (dry) heating value per cu. ft. @ 14.696 PSIA.

Note: B.T.U, G.P.M., and Sp. Gr. are calculated values based on ideal gas constants in the Engineering Data Book of the GPSA, 1981. Saturated gross heating value @ 14.696 PSIA may be determined by multiplying by 0.9826.

DATE: 5-11-89

GAS ANALYSIS

TECH, Inc
333 East Main
Farmington
New Mexico
87401
505/327-3311

Company name: R.L. Bayless Production

Well Name: JICARILLA 459 # Formation:

Well Location : SW4 NE4 SEC18 T30N R3W County/state :RIO ARRIBA/NM

Lease No. : Sample Source:

Submitted by : KEVIN MCCORD Field:

Date sampled: 5-10-89 Cylinder No.:

Depth (ft): Sample temp. (deg F):

Est. Production Rate (MCFD): Sample Pressure (PSIG):

Analysis date: 5-10-89 Sampled by: KEVIN MCCORD

Gas	Mole %	B.T.U.	G.P.M.	Sp. Gr.
1. Oxygen	0.000	0.000	0.000	0.0000
2. Nitrogen	0.000	0.000	0.000	0.0000
3. Methane	92.396	932.920	0.000	0.5117
4. CO2	0.104	0.000	0.000	0.0015
5. Ethane	6.023	106.520	0.000	0.0625
6. Propane	0.833	20.960	0.229	0.0126
7. Isobutane	0.304	9.880	0.099	0.0061
8. Butane	0.133	4.330	0.006	0.0026
9. i-Pentane	0.091	3.630	0.033	0.0022
10. Pentane	0.023	0.920	0.008	0.0005
11. Hexanes	0.093	4.420	0.038	0.0027
12. H2S	0.000	0.000	0.000	0.0000
Totals	100.000	1083.580	0.449	0.6024

Net (dry) heating value per cu. ft. @ 14.696 PSIA.

NOTE: B.T.U., G.P.M., and Sp. Gr. are calculated values based on ideal gas constants in the Engineering Data Book of the GPSA, 1981. Saturated gross heating value @ 14.696 PSIA may be determined by multiplying by 0.9826.

DATE: 12 MAY 1989

GAS ANALYSIS

TECH, Inc.
333 East Main
Farmington
New Mexico
87401
505/327-3311

Company name: R.L. Bayless Production

Well Name: JICARILLA 459 #3 Formation:

Well Location : County/state :

Lease No. : Sample Source:

Submitted by : Field:

Date sampled: 5-12-89 Cylinder No.:

Depth (ft): Sample temp. (deg F):

Est. Production Rate (MCFD): Sample Pressure (PSIG):

Analysis date: 5-12-89 Sampled by:

Gas	Mole %	B.T.U.	G.P.M.	Sp. Gr.
1. Oxygen	0.000	0.000	0.000	0.0000
2. Nitrogen	0.000	0.000	0.000	0.0000
3. Methane	92.275	931.700	0.000	0.5111
4. CO2	0.085	0.000	0.000	0.0012
5. Ethane	5.892	104.210	0.000	0.0611
6. Propane	0.827	20.810	0.227	0.0125
7. Isobutane	0.309	10.050	0.101	0.0062
8. Butane	0.138	4.500	0.006	0.0027
9. i-Pentane	0.094	3.750	0.034	0.0023
10. Pentane	0.031	1.240	0.011	0.0007
11. Hexanes	0.207	9.840	0.085	0.0061
12. H2S	0.142	0.090	0.000	0.0016
Totals	100.000	1086.190	0.502	0.6055

Net (dry) heating value per cu. ft. @ 14.696 PSIA.

NOTE: B.T.U., G.P.M., and Sp. Gr. are calculated values based on ideal gas constants in the Engineering Data Book of the GPSA, 1981. Saturated gross heating value @ 14.696 PSIA may be determined by multiplying by 0.9826.

H2S Public Protection Plan

ROBERT L. BAYLESS
P.O. BOX 168
Farmington, New Mexico 87499

ACTION PLAN FOR ACCIDENTAL RELEASE OF H2S
from a Producing Well

Jicarilla 459 #3

1658' FNL & 1901' FEL

Section 18-T30N-R3W

Rio Arriba County, New Mexico

I. PURPOSE:

The purpose of this plan is to safeguard the lives of the public, contract personnel, and company personnel in the event of equipment failures or disaster while producing gas from formations which may contain Hydrogen Sulfide Gas (H2S).

ROBERT L. BAYLESS has specified materials and practices for producing this well to protect the safety of all concerned. However, as a precautionary measure this contingency and evacuation plan has been prepared to further assist the safety of all concerned.

II. DESCRIPTION OF HYDROGEN SULFIDE GAS:

H2S is a colorless gas which smells similar to rotten eggs in low concentrations. In large concentrations however, the sense of smell may be paralyzed rapidly. H2S is an extremely toxic gas that must be treated with extreme care to prevent injury to people. H2S is heavier than air (specific gravity = 1.19) and on still days tends to accumulate in low places. This accumulation could build up and lead to dangerous concentrations. However, if the H2S gas is warmer than air, it will tend to rise until cooled off and could affect workers above the escaping source.

The toxicity of H2S is as follows:

<u>Period of Exposure:</u>

Prolonged exposure - no adverse effects	10 PPM
Over 1 hour could be hazardous	150 PPM
Possibly fatal in less than 1/2 hour	300 PPM
Fatal in a few minutes	700 PPM

III. TREATMENT OF HYDROGEN SULFIDE POISONING:

A. Remove the patient to fresh air, call physician or ambulance if possible.

B. If breathing is labored or has ceased, give artificial resuscitation immediately. Continue until physician is available, even if person appears to be not breathing. Should disaster conditions make it impossible to move to fresh air, keep on your mask and use resuscitator on patient.

C. After breathing commences, continue victim on oxygen until arrival at hospital. O2 helps eliminate H2S from the blood stream.

D. Prevent shock.

E. Get patient to a physician as soon as possible.

IV. LOCATION OF RESIDENTS:

A. There are no permanent residences within 3000 ft of any production facility.

B. See attached map for 100 PPM radius for roads.

C. 100 PPM radius = 2040 feet
500 PPM radius = 933 feet

V. EMERGENCY EVACUATION PLAN:

Designation of Responsibility:

In order to assure the proper execution of this plan, it is essential that one person be responsible for, and in complete charge of, implementing these procedures. Therefore, responsibility shall be designated in the following order, depending on who is on location:

1. Produciton Foreman

2. Company Switcher

3. Other Company Official

Definition of Warning Signs:

Condition: Green - Normal Operations

Condition: Yellow - Potential Danger - Caution

Cause for Condition:

1. Venting or flaring gas to atmosphere
2. Repair on surface equipment
3. Poison gas present, but below threshold levels

Condition: *Red - EXTREME DANGER*

Cause for Condition:

1. *Uncontrolled Well*
2. *Poison gas present above threshold levels*

Emergency Procedures:

Condition Yellow:

1. *Check safety equipment and keep it with you*
2. *Be alert for a change in condition warning sign*
3. *Follow instructions*

Condition Red:

Upon release of potentially hazardous volume of hydrogen sulfide gas, this program shall be initiated immediately.

1. *Evacuate all persons off location to "safe briefing area" that is crosswind. Check that all persons are present. If not, proceed with evacuation from hazardous area in the following manner:*

   a. *Two persons, re-enter hazardous area with air packs and each attached to an assistant via safety line. The assistant shall also be wearing respiratory equipment but outside of the hazard area.*

   b. *Locate and evacuate all other persons in hazardous area to safety briefing area.*

   c. *Proceed with emergency first aid to all injured. Call for ambulance and alert hospital that victim is being transported, giving estimated time of arrival.*

MEDICAL PERSONNEL

Hospital, San Juan Regional Medical Center
Farmington, New Mexico----------505-325-5011

AMBULANCE----------505-325-3501

Public Health Service, Dulce, New Mexico----------505-759-3291

2. Locate, define problem, and proceed with emergency shut-in procedures at wellhead.

3. Stay in "Safe Briefing Area" unless instructed to do otherwise. Continuously monitor air quality in briefing area.

4. Only enter hazardous area with adequate air supply and attended by someone with a safety rope.

5. Call Company personnel in the following order, until one is contacted. Inform him of the problem and what actions have been taken.

NAME	OFFICE	RESIDENCE
David E. Ball	505-326-2659	505-632-2025
Kevin H. McCord	505-325-6900	505-327-3162
Tucker Bayless	505-327-7214	505-325-8154
A. V. (Sonny) Green	505-327-7214	505-632-2861
Robert L. Bayless	505-326-2659	505-325-8985

NOTE: Radio Number for all above is 505-327-0880

6. Notify the appropriate agencies and law officers that an emergency situation exists and help is needed.

LAW ENFORCEMENT AGENCIES

Dulce Police----------505-334-6107

POLICE:

Jicarilla Apache Tribal Police----------505-325-0422

New Mexico State Police----------505-325-7547

OIL & GAS CONSERVATION COMMISSION

New Mexico Oil & Gas Conservation Commission
Aztec, New Mexico----------(505) 334-6178

BUREAU OF LAND MANAGEMENT

BLM (Oil & Gas Operations)
Farmington, New Mexico----------505-327-5344

FIRE DEPARTMENT

Bloomfield, New Mexico----------505-632-8011
Dulce, New Mexico----------505-759-3463

JICARILLA APACHE TRIBE

Realty Division
Dulce, New Mexico----------505-759-3485

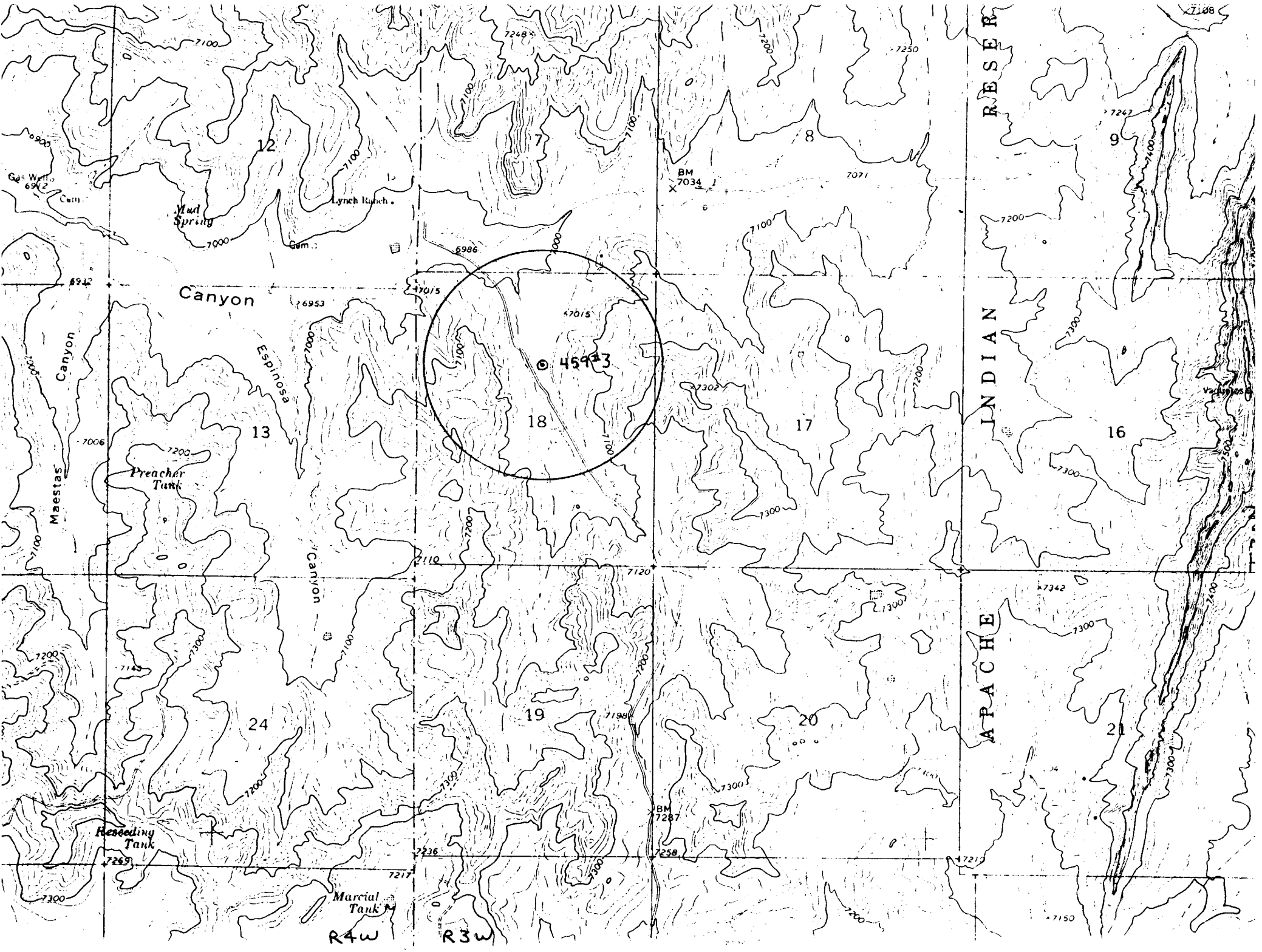
BUREAU OF INDIAN AFFAIRS

Jicarilla Agency
Dulce, New Mexico----------505-759-3676

7. *If warranted, roads with 100 PPM radius will be closed to general traffic.*

8. *In the event that a blowout should occur, the decision regarding ignition of the escaping gas will be made by the RLB representative on location after consultation.*

9. *Meet with appropriate agencies and law officers as soon as practical to brief them on the situation and coordinate evacuation efforts.*


Canyon
Mud Spring
Lynch Ranch
Gas Well
Cem.
BM 7034
Maestas Canyon
Espinosa Canyon
Preacher Tank
Reseeding Tank
Marcial Tank
BM 7287
INDIAN RESER
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R4W
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