

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER Tohonadla 1-D
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT TOHONADLA
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME
6. NAME OF OPERATOR NNOGC EXPLORATION & PRODUCTION, LLC		7. OPERATOR PHONE 303 910-9525
8. ADDRESS OF OPERATOR 1625 Broadway, Suite 1000, Denver , CO, 80202		9. OPERATOR E-MAIL drubeking@nnogc.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 14-20-603-270	11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>	19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1119 FNL 1017 FWL	NWNW	1	42.0 S	21.0 E	S
Top of Uppermost Producing Zone	1119 FNL 1017 FWL	NWNW	1	42.0 S	21.0 E	S
At Total Depth	1119 FNL 1017 FWL	NWNW	1	42.0 S	21.0 E	S

21. COUNTY SAN JUAN	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1119	23. NUMBER OF ACRES IN DRILLING UNIT 320
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 752	26. PROPOSED DEPTH MD: 6850 TVD: 6850	
27. ELEVATION - GROUND LEVEL 4692	28. BOND NUMBER RLB0006712	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 09-135

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	20	16	0 - 60	0.0	Unknown	0.0	Unknown	0	0.0	0.0
Surf	12.25	8.625	60 - 1400	24.0	J-55 Casing/Tubing	24.0	Halliburton Light , Type Unknown	325	1.95	12.4
							Unknown	200	1.19	15.6
Prod	7.875	5.5	1400 - 6850	17.0	K-55 Casing/Tubing	10.0	Halliburton Light , Type Unknown	510	1.95	15.2
							Unknown	335	1.26	15.2

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Lauren Germinario	TITLE Land Manager	PHONE 303 538-8300
SIGNATURE	DATE 02/27/2013	EMAIL lgerminario@nnogc.com
API NUMBER ASSIGNED 43037500530000	APPROVAL  Permit Manager	

NNOGC Exploration and Production LLC
 Tohonadla 1-D
 1119' FNL & 1017' FWL
 Sec. 1, T. 42 S., R. 21 E.
 San Juan County, Utah

PAGE 1

Drilling Program

1. FORMATION TOPS

The estimated tops of important geologic markers are:

<u>Formation</u>	<u>GL Depth</u>	<u>KB Depth</u>	<u>Elevation</u>
Carmel Sandstone	0'	15'	+4,692'
Navajo Sandstone	212'	227'	+4,480'
Kayenta Sandstone	572'	587'	+4,120'
Wingate Sandstone	622'	637'	+4,070'
Chinle Shale	1,117'	1,132'	+3,575'
Shinarump Sandstone	1,677'	1,692'	+3,015'
Moenkopi Sand & Mud Stones	1,957'	1,972'	+2,735'
DeChelly Ss/Mdst/Shale	2,137'	2,152'	+2,555'
Organ Rock Shale/Sltst/Ss	2,317'	2,332'	+2,375'
Lower Cutler Slt/Ss/Shale	3,024'	3,039'	+1,668'
Honaker Trail Ls/Sltst/Shale	4,083'	4,098'	+609'
Paradox Ls/Sltst/Marls/Shale	4,642'	4,657'	+50'
Ismay Ls/Dolo/Marls/Shale	4,928'	4,943'	-236'
Lower Ismay Ls/Dolo/Marls/Shale	5,014'	5,029'	-325'
Desert Creek Ls/Dolo/Marls/Shale	5,299'	5,314'	-607'
Barker Creek Ls/Dolo/Anhy/Shale	5,459'	5,474'	-767'
Pinkerton Trail Ls/Dolo/Anhy/Shale	5,640'	5,655'	-948'
Molas Mudst/Slt/Ls/Shale	5,857'	5,872'	-1,165'
Leadville Limestone/Dolomite	6,032'	6,047'	-1,340'
Total Depth (TD)	6,850'	6,865'	-2,158'

2. NOTABLE ZONES

Desert Creek and Ismay oil production is the primary goal. Upper Leadville oil



NNOGC Exploration and Production LLC
Tohonadla 1-D
1119' FNL & 1017' FWL
Sec. 1, T. 42 S., R. 21 E.
San Juan County, Utah

PAGE 2

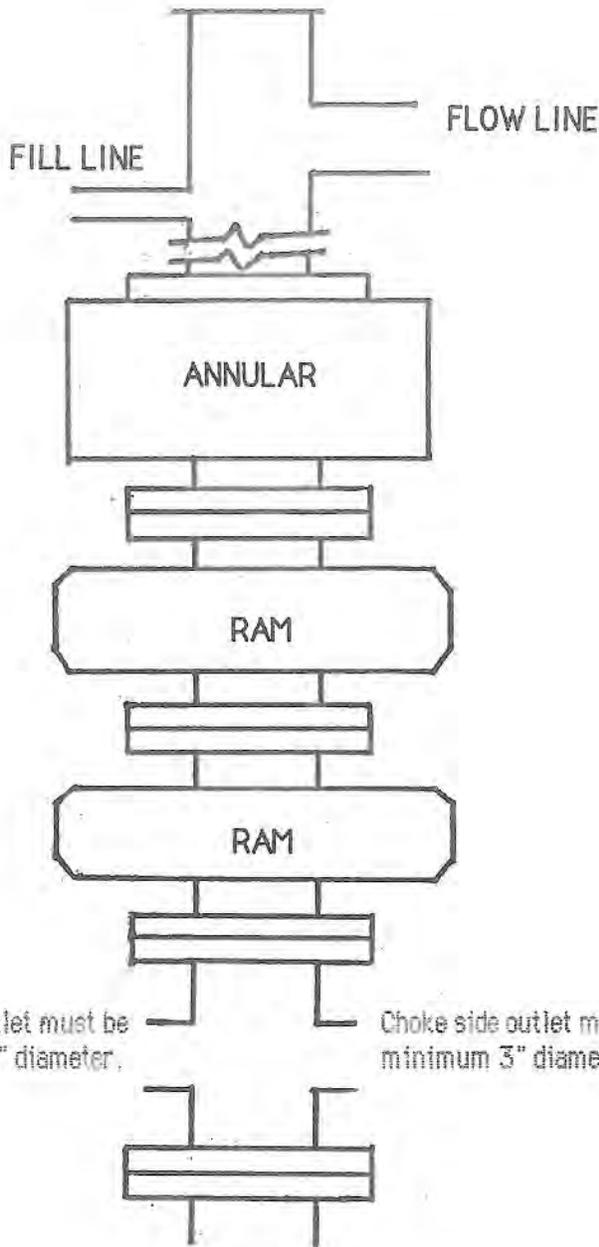
production is the secondary goal. Oil and gas shows which appear to the well geologist to be commercial will be tested. All fresh water and prospectively valuable minerals will be recorded by depth and protected with casing and cement. Likely fresh water zones are the Glen Canyon group of sandstones.

3. PRESSURE CONTROL

A 13-5/8" 3,000 psi double ram and annular preventer with a 3,000 psi choke manifold will be used. A diagram of a typical BOP is on Page 3. Actual model will not be known until bid is let. Procedures are ...

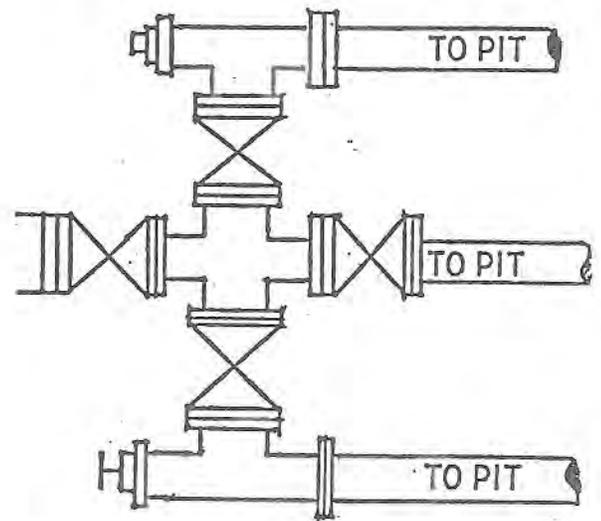
- Nipple up BOP and all equipment
 - Test to 250 #/3,000#
 - Test Hydril to 2,000 psi
 - Log in I. A. D. C. book
- Drill 1/2 of shoe joint
 - Test to 1,500 psi for 30 minutes
 - Log in I. A. D. C. book
- Activate BOPs every 24 hours or on trips and log in I. A. D. C. book
- Install hand wheels and lay straight flare line before drilling out
- Conduct weekly BOP drills with each crew and log in I. A. D. C. book
- Have floor valve and wrench on floor at all times
 - Floor valve must be in open position
- Before drilling surface casing shoes, blind rams will be closed. BOP and surface casing will be pressure tested to 1,500 psi for a total test time of 30 minutes if not previously tested by Halliburton during cement job.
- Studs on all well head and BOP flanges will be checked for tightness weekly
- Hand wheels for locking screws will be installed and operational
- Entire BOP and well head assembly will be kept clean of mud
- A drill stem safety valve in the open position will be available
- Call BLM at (505 599-8900) and the Utah Division of Oil, Gas, & Mining at (801 538-5340) before testing BOPs





TYPICAL BOP STACK & CHOKE MANIFOLD

There will be at least 2 chokes and 2 choke line valves (3" minimum). The choke line will be 3" in diameter. There will be a pressure gauge on the choke manifold.



Kill line will be minimum 2" diameter and have 2 valves, one of which shall be a minimum 2" check valve.

Upper kelly cock will have handle available.
Safety valve and subs will fit all drill string connections in use.
All BOPE connections subjected to well pressure will be flanged, welded, or clamped.

NNOGC Exploration and Production LLC
 Tohonadla 1-D
 1119' FNL & 1017' FWL
 Sec. 1, T. 42 S., R. 21 E.
 San Juan County, Utah

PAGE 4

4. CASING & CEMENT

<u>Hole Size</u>	<u>O. D.</u>	<u>Weight</u>	<u>Grade</u>	<u>Age</u>	<u>Coupling</u>	<u>Burst/Collapse</u>	<u>Depth Set</u>
20"	16"		Conductor	New			60'
12-1/4"	8-5/8"	24#	J or K-55	New	S T & C	2,950/1,370	1,400'
7-7/8"	5-1/2"	17#	J or K-55	New	L T & C	5,320/4,910	6,850'

Conductor pipe will be cemented to the surface with ready-mix.

Surface casing will be cemented to the surface with $\approx 50\%$ excess. Lead with ≈ 325 sacks (≈ 633 cubic feet) Halliburton light with 5 pounds per sack gilsonite + 1/4 pound per sack cellophane mixed at 12.4 pounds per gallon and 1.95 cubic feet per sack. Tail with ≈ 200 sacks (≈ 238 cubic feet) standard cement + 1% CaCl_2 + 1/4 pound per sack cellophane mixed at 15.6 pounds per gallon and 1.19 cubic feet per sack. Centralizers will be placed $\approx 5'$ off the bottom and on the first three joints and the fifth joint.

Production casing will be cemented with $\approx 40\%$ excess to $\approx 1,200'$ (i. e., $\geq 200'$ above surface casing shoe). Lead with ≈ 510 sacks (≈ 994 cubic feet) Halliburton light with 5 pounds per sack gilsonite + 1/4 pound per sack cellophane mixed at 12.4 pounds per gallon and 1.95 cubic feet per sack. Tail with ≈ 335 sacks (≈ 422 cubic feet) premium with 5 pounds per sack gilsonite + 0.6% Halad 9 + 0.25 CFR-3 mixed at 15.2 pounds per gallon and 1.26 cubic feet per sack. Centralizers will be set on the shoe joint, top of the second and third joints, and continue through and above pay zones at $\approx 90'$ intervals.

5. MUD PROGRAM

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Type</u>
0 -1,400'	8.3 - 8.7	27 - 32	N/C	Fresh H ₂ O gel lime spud mud, pH 9
1,400' - TD	8.4 - 10.0	38 - 40	8 cc	Fresh water gel & PHPA, SAPP, etc



NNOGC Exploration and Production LLC
Tohonadla 1-D
1119' FNL & 1017' FWL
Sec. 1, T. 42 S., R. 21 E.
San Juan County, Utah

PAGE 5

Cuttings will be collected every $\approx 30'$ from the surface to $\approx 5,500'$. Cuttings will be collected every $\approx 10'$ from $\approx 5,500'$ to TD.

6. CORES, LOGS, & TESTS

Cores may be cut depending upon shows, most likely in the Desert Creek. GR - Sonic and DLL-Micro-SFL log suites will be run from TD to the surface. FDC-CNL logs will be run from TD to $\approx 4,000'$. No drill stem tests are currently planned.

A geologist or mud logger will be on site from $\approx 4,000'$ to TD.

7. DOWN HOLE CONDITIONS

No abnormal temperatures or abnormal pressures are expected. Maximum expected bottom hole pressure will be $\approx 2,945$ psi. Hydrogen sulfide is expected in the Mississippian, just below the Pinkerton. A contingency plan is attached.

8. OTHER INFORMATION

The anticipated spud date is upon approval. It is expected it will take ≈ 3 weeks to drill and ≈ 2 weeks to complete the well.



NNOGC Exploration and Production LLC
Tohonadla 1-D
1119' FNL & 1017' FWL
Sec. 1, T. 42 S., R. 21 E.
San Juan County, Utah

PAGE 6

Surface Use Plan

1. DIRECTIONS (See PAGES 11 - 13)

From the junction of US 163 and US 191 west of Bluff
Go South 8-1/4 miles on US 191 to the equivalent of mile post 13.1
Then turn left and go Northeast 3/4 miles on a sandy road
Then turn right and go Southeast 0.2 mile on a sandy road
Then turn left and go East 746.45' cross country to the proposed pad

Roads will be maintained to at least equal to their present condition.

2. ROAD WORK (See PAGES 12 & 13)

No upgrade is needed for the existing road. The 746.45' of new road will be built to BLM Gold Book standards. Road will have a $\approx 14'$ wide running surface and will be rocked where needed. No culvert, vehicle turn out, or cattle guard is needed. Maximum disturbed width will be 20'. Maximum cut or fill = 4'. Maximum grade = 3%.

3. EXISTING WELLS (See PAGE 12)

One water, four oil, and five plugged wells within a mile radius. There are no gas or injection wells within a mile radius.

4. PROPOSED PRODUCTION FACILITIES (See PAGES 12 & 13)

A well head and gas powered pump will be installed on the pad. Both will be painted a flat Carlsbad tan. A 746.45' long $\approx 4"$ O. D. steel pipeline will be laid



NNOGC Exploration and Production LLC
Tohonadla 1-D
1119' FNL & 1017' FWL
Sec. 1, T. 42 S., R. 21 E.
San Juan County, Utah

PAGE 7

west along the new road from the well to the existing Tohonadla 1-E pipeline. The pipeline will be buried ≈ 36 " deep.

5. WATER SUPPLY

Water will be trucked from Monument Resources' well on private land in 30-40s-22e near Bluff. Water right number is 09-135.

6. CONSTRUCTION METHODS & MATERIALS (See PAGES 14 & 15)

The top 6" of soil and brush will be stripped and stockpiled east of the pad. The pit subsoil will be piled east of the pit and separate from the topsoil. A diversion ditch will be cut north of the pad. A minimum 12 mil plastic liner will be installed in the reserve pit. The reserve pit will be fenced sheep tight on 3 sides with woven wire fence topped with barbed wire. The fourth side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries. Once dry, contents of the reserve pit will be buried in place. Rock will be bought and trucked from private land near Bluff.

7. WASTE DISPOSAL

All trash will be placed in a portable trash cage and hauled to the county landfill. Human waste will be disposed of in chemical toilets. Toilet contents will be hauled to a state approved dump station off the reservation.

8. ANCILLARY FACILITIES

There will be no air strip or camp. Camper trailers will be parked on the pad for the company man, tool pusher, and mud logger.



NNOGC Exploration and Production LLC
Tohonadla 1-D
1119' FNL & 1017' FWL
Sec. 1, T. 42 S., R. 21 E.
San Juan County, Utah

PAGE 8

9. WELL SITE LAYOUT

See PAGES 14 and 15 for drawings of the well pad, cross section, cut and fill diagram, reserve pit, trash cage, access onto the location, parking, living facilities, and rig orientation.

10. RECLAMATION

Reclamation starts once the reserve pit is dry, at which point it will be back filled. Liner top will be folded over contents and covered with ≥ 24 " of dirt. The reserve pit and any pad areas not needed for producing the well will be reclaimed as an interim measure. Once the well is plugged, the remainder of the pad and road will be reclaimed.

All reclamation will leave the terrain with a natural shape, slopes will be no steeper than 3 to 1, subsoil will be used to fill the reserve pit, all compacted areas will be ripped ≥ 12 " deep with the contour, topsoil will be spread across all compacted areas and harrowed with the contour. A seed mix will be drilled as prescribed by BLM, BIA, or the Navajo Nation. Weeds will be controlled in accordance with BLM, BIA, or Tribal requirements.

11. SURFACE OWNER

All construction will be on Navajo Tribal surface. Tribal Project Review Office phone is (928) 871-6447. Address is P. O. Box 2249, Window Rock, Arizona, 86515. Land use will be:

220' x 270' well site = 1.36 acres
+ 40' x 746.45' road & pipeline = 0.69 acres
total = 2.05 acres



NNOGC Exploration and Production LLC
Tohonadla 1-D
1119' FNL & 1017' FWL
Sec. 1, T. 42 S., R. 21 E.
San Juan County, Utah

PAGE 9

12. OTHER INFORMATION

Blue Mountain Hospital is a $\approx 2/3$ hour drive away in Blanding at 802 South and 200 West. Hospital phone number is (435) 678-3993.

Chuck Yarbrough (BIA) and Charles Black (Permits West) held an on site inspection on June 13, 2007. Well was previously approved (SAS DNR-12002), but never built or drilled. Approvals have since expired.

13. REPRESENTATION & CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U. S. C. 1001 for the filing of false statements. Executed this 3rd day of April, 2012.



Brian Wood, Consultant
Permits West, Inc.

37 Verano Loop, Santa Fe, NM 87508

(505) 466-8120

FAX: (505) 466-9682

Mobile: (505) 699-2276



NNOGC Exploration and Production LLC
Tohonadla 1-D
1119' FNL & 1017' FWL
Sec. 1, T. 42 S., R. 21 E.
San Juan County, Utah

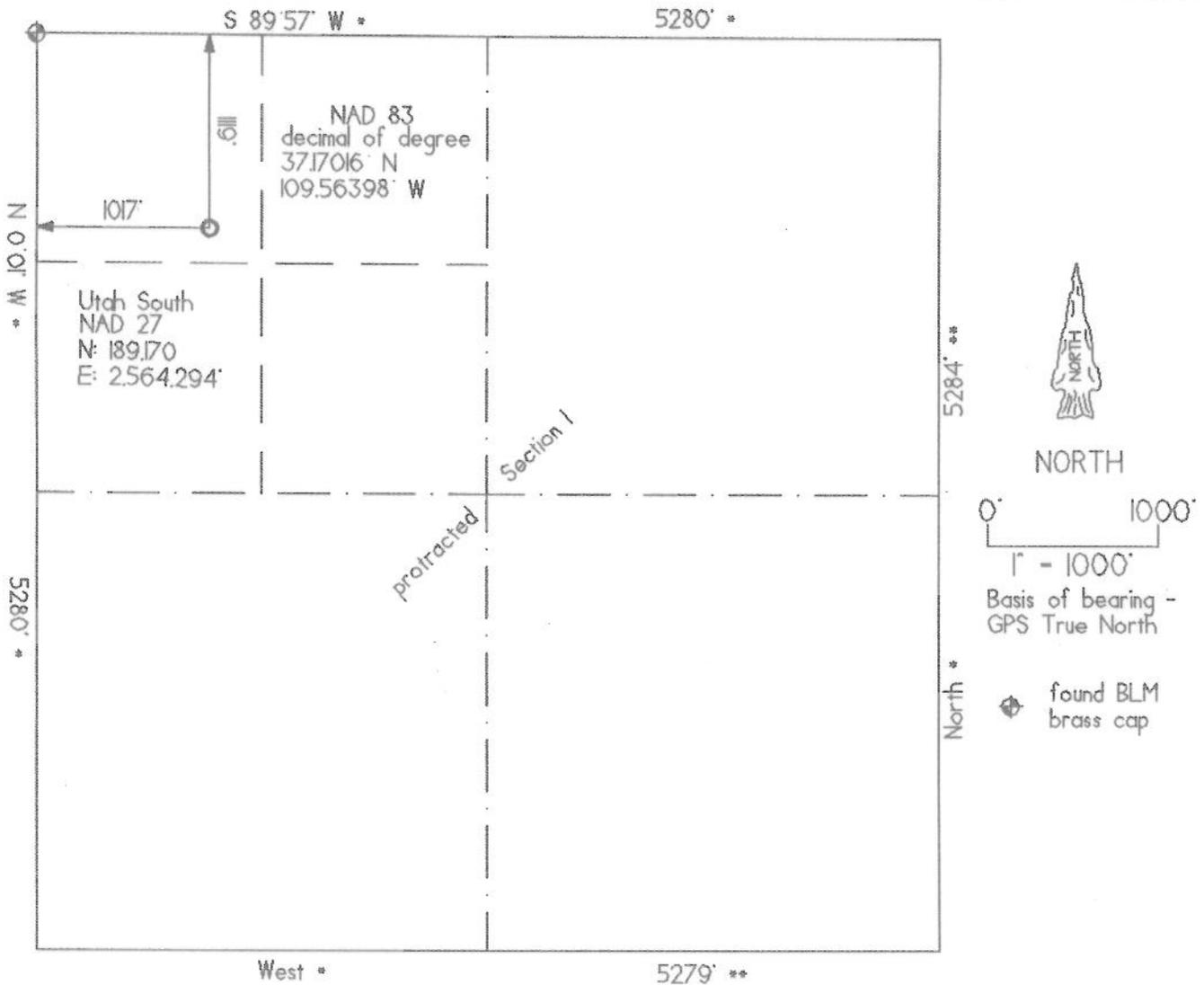
PAGE 10

The field representative will be:

Bill McCabe or John Hatch
NNOGC Exploration and Production LLC
1675 Broadway, Suite 1100
Denver, CO 80202
(303) 534-8300



Well Location Plat



Well Location Description

NAVAJO NATION OIL & GAS CO. INC.
 TOHONADLA I-D
 1119' FNL & 1017' FWL
 Section I, T.42 S., R.21 E., SLM
 San Juan County, UT
 4692' grd. el. (from GPS)

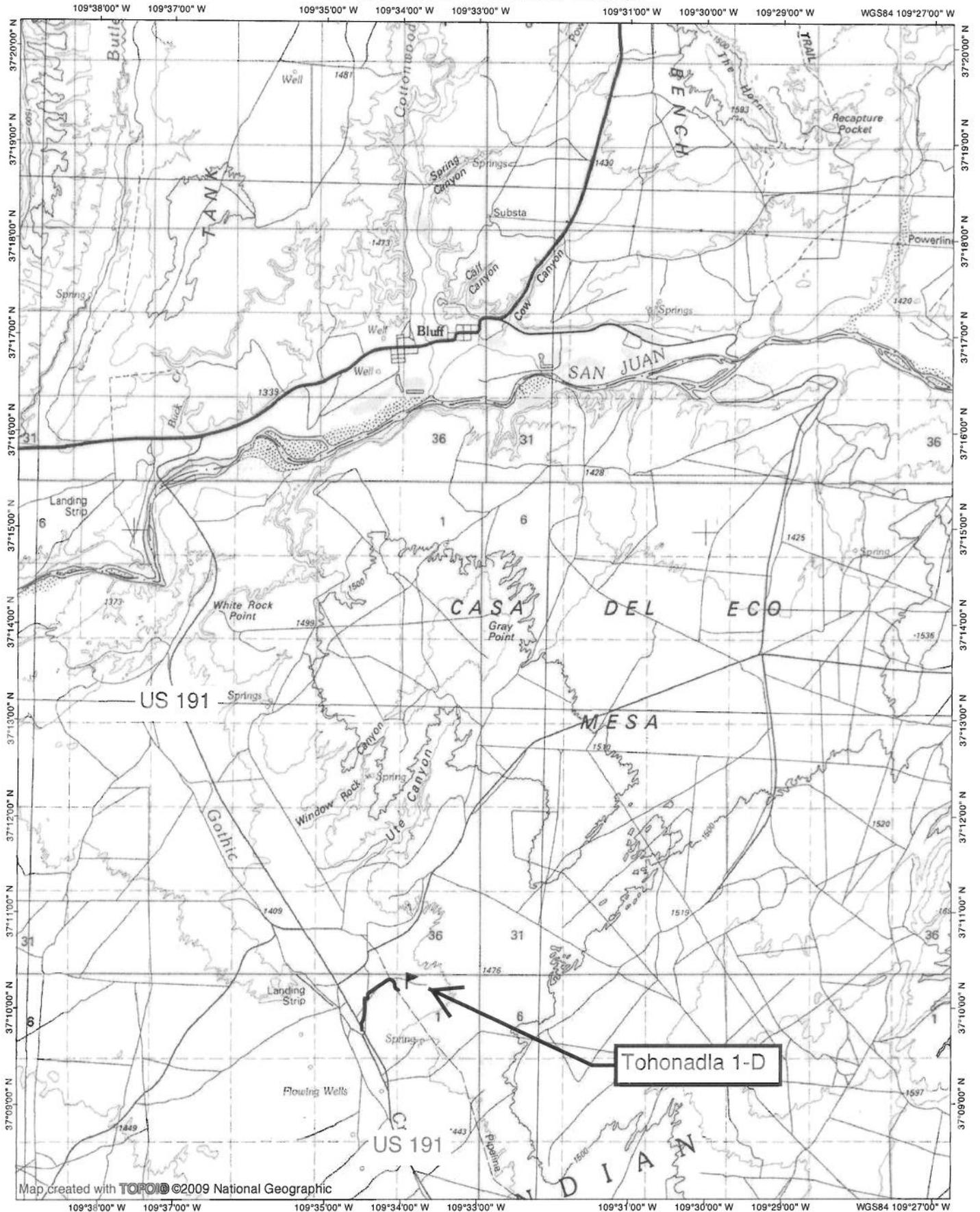


Gerald G. Huddleston
 Gerald G. Huddleston, LS

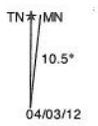
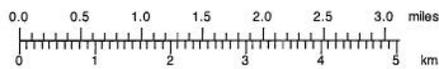
rev: 05/18/07

The above is true and correct to my knowledge and belief.

TOPO! map printed on 04/03/12 from "Untitled.tpo"



Map created with TOPO! ©2009 National Geographic



HYDROGEN SULFIDE (H₂S) CONTINGENCY PLAN
NNOGC EXPLORATION AND PRODUCTION LLC

TOHONADLA 1D OIL WELL

1119' FNL & 1017' FWL Section 1 T. 42 S., R. 21 E.

San Juan County, Utah

37.170077° N. & 109.563941° W.

Navajo Nation Oil & Gas Company, Inc.
Post Office Box 4439
Window Rock, Arizona 86515

Prepared For:



Prepared By:



*H₂S Contingency Plan***TABLE OF CONTENTS**

CHECKLIST FOR DRILLING, WORK OVER, AND MAINTENANCE IN H₂S ENVIRONMENT	1
1.0 GENERAL BACKGROUND	2
1.1 DESCRIPTION OF HYDROGEN SULFIDE GAS	2
1.2 TOXICITY	2
1.3 H ₂ S FIRST AID AND TREATMENT PROCEDURES	2
2.0 HYDROGEN SULFIDE H₂S CONTINGENCY PLAN	3
2.1 INTRODUCTION	3
2.2 PURPOSE	3
2.3 OPERATING PROCEDURES	3
2.3.1 <i>Safety Equipment</i>	4
2.3.2 <i>Safety Procedures</i>	4
2.3.3 <i>Working Conditions</i>	6
2.4 H ₂ S EMERGENCY PROCEDURES	6
2.4.1 <i>Incident</i>	6
2.4.2 <i>Primary Emergency Procedure</i>	6
2.4.3 <i>Secondary Emergency Procedure</i>	6
2.4.5 <i>Igniting the Well</i>	8
3.0 APPENDICES	8
3.1 CHECK LIST FOR SAFETY EQUIPMENT (DESIGNED FOR A MAXIMUM OF 11 PEOPLE)	8
3.2 EMERGENCY PHONE NUMBERS	9

LIST OF FIGURES

Figure 1. Well Pad and Drill Rig Layout with Wind Socks and Safety Briefing Area	11
Figure 2. Well Pad with original topography, Wind Socks, and Safety Briefing Area.	12
Figure 3. H ₂ S Contingency Plan Map: Tohonadla 1-D Oil Well with 2-mile buffer, contact names, and phone numbers.	13

CHECKLIST FOR DRILLING, WORK OVER, AND MAINTENANCE IN H₂S ENVIRONMENT

1. Two safety briefing areas at least 100 yards from well head and arranged so that one briefing area will be upwind at all times. These sites should be located uphill whenever possible. (see Appendix)
2. Identify direction of prevailing winds (see Appendix)
3. At least two wind socks installed at all times
4. Primary and secondary emergency escape routes (flagged trail minimum)
5. Number, types, and storage location of H₂S emergency respirators for personnel, and number of personnel to be present onsite at any one time.
6. H₂S detector locations (3 minimum to include cellar or bell nipple and mud tanks at shale shaker). Type and location of visual and audible alarms to be used.
7. H₂S evacuation and emergency training procedures and schedule (i.e. Contingency Plan)
8. List of area residents within a two-mile radius, evacuation plan, and contact list (including agencies and individuals)
9. Types and quantities of mud additives and scavengers to be available at location for H₂S operations
10. Design features and operational procedures to be used to provide safe working environment (including a certification by the operator on the APD that all equipment meets standards for H₂S service)
11. Appropriate warning signs and flags on all access roads
12. Provisions for blocking and monitoring access to location during critical incident
13. Ventilation fan under rig floor
14. In event of uncontrolled blowout, designation of local official who has authority to ignite flow
15. Swabbing or drill stem fluids containing H₂S should be put through a separator to permit flaring of gas. Flare should have a continuous pilot light to ensure ignition of all such gas.

1.0 GENERAL BACKGROUND

1.1 DESCRIPTION OF HYDROGEN SULFIDE GAS

Hydrogen Sulfide (H₂S) is a colorless, transparent gas with a distinct and characteristic rotten-egg odor at low concentrations and not detectable by odor at high concentrations. H₂S at higher concentrations and/or over longer periods of exposure paralyzes the olfactory sense for that specific odor. The gas is extremely toxic to humans and can easily become dangerous and lethal. Extreme care and caution is needed to prevent injury and/or death. H₂S has a specific gravity of 1.192 which is heavier than air. It tends, therefore, to accumulate in low places. This collection of gas can lead to dangerous concentrations in areas such as arroyos and drainages. H₂S from "down hole" is often warmer than surface air and will therefore tend to rise and therefore affect workers above the escaping source. Hydrogen Sulfide is explosive and water soluble.

1.2 TOXICITY

American National Standards Institute standard: Z37.2-1972 Acceptable Concentrations of Hydrogen Sulfide describes H₂S toxicity in this way: Hydrogen Sulfide is an extremely toxic and irritating gas. Free hydrogen sulfide in the blood reduces its oxygen-carrying capacity, thereby depressing the nervous system. Hydrogen sulfide is oxidized quite rapidly to sulfates in the body, therefore no permanent after effects occur in cases of recovery from acute exposures unless oxygen deprivation of the nervous system is prolonged. There is no evidence that repeated exposures to hydrogen sulfide result in accumulative or systemic poisoning. Effects such as eye irritation, respiratory tract irritation, slow pulse rate, lassitude, digestive disturbances, and cold sweats may occur but these symptoms disappear in a relatively short time after removal from the exposure. Odors become detectable in concentrations as low as .008 parts per million (ppm), but the sense of smell is lost after 2-15 minutes at 100 ppm.

1.3 H₂S FIRST AID AND TREATMENT PROCEDURES

- Victim should be removed to fresh air immediately**
- If victim is not breathing, rescue breathing or artificial breathing should be started immediately
- Treat for shock; keep victim warm and comfortable
- Call ambulance and/or doctor, take victim immediately to emergency room or other healthcare facility

*****The rescuer(s) should always wear personal protective equipment when attempting to rescue a H₂S victim. It is important to never increase the number of victims unnecessarily during a H₂S emergency.***

2.0 HYDROGEN SULFIDE H₂S CONTINGENCY PLAN

2.1 INTRODUCTION

This plan provides required procedures to be followed to adequately provide for a safe H₂S working environment. These required procedures include safety procedures, precautionary measures, and training for emergency and standard procedures. This document sets forth the responsibilities of the operator and all individuals and entities under employment or contract with the operator working in a sour oil or gas (H₂S) area.

To make this contingency plan effective and in order to provide a safe working environment, cooperation from all individuals is a necessity. To this end each person onsite must understand normal and emergency operating procedures for this site. Each individual onsite must have adequate information, training, and practice with the specific procedures described in this Contingency Plan. It is the responsibility of both the operator to provide adequate equipment, training, and procedures, as well as the individual worker's responsibility to participate fully in all H₂S procedures, to familiarize themselves with the location of all safety equipment and features, and to keep equipment and procedures in working order and up to date.

In order for NNOGC to provide a safe working environment for all workers and individuals in the vicinity of the well the safeguards are put in place. **Initiative lies with each and every individual for the safety of all. To this end the drilling foreman is required to and will enforce all safety procedures, for the benefit of all involved.**

2.2 PURPOSE

It is the intention of NNOGC to provide a safe working environment for all neighbors, employees, contractors, and others involved with the drilling of its wells. There exists the possibility of encountering toxic H₂S gas during the drilling, completion, maintenance, and production of the well. This H₂S contingency plan will be put into effect after surface casing is drilled or when it is deemed necessary by the BLM in consultation with NNOGC.

Safety procedures are established for each person's safety connected with the operation and for the safety of the residents of the local area. The closest house is ≈10,000' southwest.

The NNOGC foreman will strictly enforce these procedures. Noncompliance may result in loss of pay or dismissal from the sight, job, or employment.

2.3 OPERATING PROCEDURES

Before this H₂S contingency plan is operational, all personnel that are to be involved with operation will be thoroughly trained* in the proper use of breathing apparatus (i. e. SCBAs and Escape Units), emergency procedures, and H₂S first aid and rescue methods. An approved list of trained personnel will be supplied by the safety company and stored with the drilling foreman.**

* *Required training for operation personnel will include, but not be limited to, H₂S safety course from an approved training company, safety briefing on drill site of all safety equipment use and locations before the start of work for each and every person onsite, safety related training in-place, on-site 1,000 feet before the first H₂S formation.*

** *Throughout this contingency plan breathing apparatus shall be understood as:*

H₂S Contingency Plan

- a) A Self-Contained Breathing Apparatus (SCBA) manufactured such as Scott Industrial c100 or similar.
- b) Or an emergency Escape Unit such as the Scott SCRAM or Elsa (or similar) often referred to as hip packs, hoods, or pony bottles.

The two types of breathing apparatus will be differentiated as a SCBA or an Escape Unit as required.

2.3.1 SAFETY EQUIPMENT

Personal H₂S monitors - Every person onsite will be required to wear a personal H₂S monitor at all times while onsite. Monitors will not be worn on hard hats, but should be worn on the waist belt or preferably near the chest in-front.

Breathing Apparatus - All personnel on the drill site will be assigned an individual breathing apparatus unit. This may be either an escape unit or a SCBA unit. A minimum of two SCBA type units will be onsite. These units will be used by the team whose duty it is to serve as the onsite rescue team.

Monitoring and Recording Devices - An experienced safety company (such as DXP Safety Alliance, Farmington, NM) will responsible for the installation and monitoring of H₂S detectors placed on site. These units will be tested and recalibrated as the safety company requires. If H₂S is detected, the monitors will be tested and recalibrated at least every 12 hours. This monitoring system may or may not be integral to the required two stage alarm system on site. This two stage system (visual and audio) will have a minimum of three H₂S detector locations. Monitors will be located 1), in the cellar or on the bell nipple, 2), at the mud tanks' shale shaker, and 3), to be determined by the safety company. Visual (light) and audio (siren) alarms will activate when H₂S concentrations reach 10 ppm.

First-Aid and Rescue Equipment - Stored on-site, but ideally up-hill and up-wind from H₂S sources a minimum of one "rescue pack" will contain at least:

- 1 backboard, straps, head blocks
- a set of cervical collars (s-xl)
- 1 bag valve mask
- 1 bottle of oxygen
- gauze and other standard first-aid items

--Suggested: 1 AED (automatic external defibrillator).

Gas Monitor - An appropriate monitor should be on-site that can measure for LLE, VOC, and other explosive or hazardous gasses.

2.3.2 SAFETY PROCEDURES

Cascade System - Every person required to perform duties within "safety zones" (see list below) will be provided with breathing equipment attached to a cascade air system. These areas are as follows

- rig floor
- mud pit
- derrick
- shale shaker
- mud hopper and bulk hopper

H₂S Contingency Plan

- all hazardous locations will be accessible by hose and work pack (SCBA)

Escape Routes - Two escape routes will be at a minimum flagged and kept clear at all times.

Safety Briefing Areas - Two safety-briefing areas will be located at the end of escape routes (see above). The briefing areas will be clearly marked, at least one up-hill, and located so that one site is always up wind. Please see attached site map for safety briefing areas in Appendix 3.4.

Safety, first-aid, and rescue equipment - Will be stored properly onsite using best practices. This will include proper maintenance and scheduled testing, inspection, and training/practice.

Service companies - All service companies will be briefed regarding potential hazards of the well site including the presence (or potential for) H₂S. These companies will be required to provide breathing apparatus and training to their employees. No service company personnel will be allowed onsite without meeting these requirements. In addition a safety briefing under the direction of the drill foreman regarding site specific H₂S procedures will be provided to each new personnel member reporting on-site.

Drills and practice - Drills reviewing all and any safety procedures including evacuation, rescue, and proper procedures to shut-in a well, and identify source of H₂S in instance of a leak will be practiced under the supervision of the safety company representative and company foreman. Proper use of breathing apparatus will be instructed during such drills. Drill schedule will be designed to familiarize new personnel with all safety procedures. Each crew should also be familiar with all operations. Drills should include a short work period in safety equipment.

Warning Signs - Warning signs will be posted at all access roads. "No smoking" signs will be posted at access points as well. Signs will be posted more than 200 feet and no more that 500 from well pad. When H₂S is present at 10 ppm or greater a red flag shall be displayed on the warning sign. Gates, road barricades, and/or gate guards will be used if necessary to prevent access during critical or hazardous situations.

Wind Socks - A minimum of two windsocks will be installed at locations easily observable from all work areas. If more than two windsocks are needed in order to allow "workers" at all times to easily identify the wind direction; more windsock will be installed.

Vehicle Parking - Vehicles should be parked 200ft from well site with their noses pointing away from the well site. Preferably vehicles will be located up hill and up wind from the well along the escape route.

Testing Fluids - Swabbing and testing fluids containing H₂S will be passed through a separator to permit flaring of the gas. There will be a pilot light in such instances.

Bug Blowers - Explosion proof electric fans will circulate air to all critical locations when necessary.

Drills reviewing any safety procedures including evacuation, rescue, and proper procedures to shut-in a well, and identify source of H₂S in instance of a leak, will be practiced under the supervision of the safety company representative and company foreman. Proper use of breathing apparatus will be instructed during such drills. Drill schedule will be designed to familiarize new personnel with all safety procedures. Each crew should also be familiar with all operations. Drills should include a short work period in safety equipment.

H₂S Contingency Plan

2.3.3 WORKING CONDITIONS

Occupational Safety and Health Administration (OSHA) has set guidelines for Permissible Exposure Limits (PEL). The standard is to be considered the threshold **never to be exceeded** for the health and safety of all workers on this site. Ideally, exposure would never be this high.

2.3.3.1 Exposure Limits

OSHA Permissible Exposure Limit (PEL) for General Industry: [29 CFR 1910.1000 Z-2 Table](#) -- Exposures shall not exceed 20 ppm (ceiling) with the following exception: if no other measurable exposure occurs during the 8-hour work shift, exposures may exceed 20 ppm, but not more than 50 ppm (peak), for a single time period up to 10 minutes.

OSHA Permissible Exposure Limit (PEL) for Construction Industry: [29 CFR 1926.55 Appendix A](#) -- 10 ppm, 15 mg/m³ TWA (accessed via the internet at the following address:

http://www.osha.gov/dts/chemicalsampling/data/CH_246800.html#exposure

The maximum exposure limit for an 8 hour day is less than 10 ppm.

2.4 H₂S EMERGENCY PROCEDURES**2.4.1 INCIDENT**

H₂S alarm system activation. Light and siren warnings or personal H₂S monitor activation for any one "worker."

2.4.2 PRIMARY EMERGENCY PROCEDURE

- i. All rig crew personnel and all auxiliary personnel must **DON BREATHING APPARATUS IMMEDIATELY!**
- ii. Rig crew should mask up with SCBA type work packs preferentially.
- iii. All auxiliary crew should move to safety briefing area, uphill and upwind.
- iv. All non-essential personal should continue to evacuate site.

2.4.3 SECONDARY EMERGENCY PROCEDURE**I. Supervisory Personnel**

- i. Company Foreman
 - a. Proceed to cascade trailer and check for safe operation of cascade system
 - b. Proceed to active safety briefing areas and account for all personnel. If all personnel are not accounted, then initiate an appropriate search.
 - c. Return to drilling floor and supervise operations
- ii. Tool Pusher
 - a. Proceed to cascade trailer and check if Company Foreman is operating cascade system safely. If NOT ensure safe operations of the cascade system.
 - b. Proceed to drilling floor and supervise operations. Make sure all crew members are accounted for and institute buddy system. If all personnel are not accounted for, initiate appropriate search.

II. Rig Crew

- i. Driller
 - a. if drilling

H₂S Contingency Plan

1. after donning breathing apparatus proceed to console and raise Kelly to slip set position
2. shut down mud pumps
3. monitor well flow, remain at console
4. using hand signals verify all personnel are at stations, verify company man and toolpusher's position, initiate search if well is not flowing
- b.** If tripping
 1. after donning breathing apparatus put pipe in the slip-set position
 2. stab safety valve, close safety valve
 3. monitor well flow-remain at console
 4. watch derrick man descend from derrick, verify all personnel locations, verify company man and tool pusher's position, initiate search if well is not flowing
- c.** if well is flowing
 1. after donning breathing apparatus, shut well in HARD
 2. verify all personnel locations, verify company man and tool pusher's position, initiate search if necessary
 3. obtain necessary pressures for well control
 4. Proceed to safety briefing area with crew, plan well control operations with all personnel
- ii.** Derrick Man
 - a.** after donning breathing apparatus, go to pit side window on the floor whether drilling or tripping (descend derrick)
 - b.** maintain visual contact with driller and monitor flow
 - c.** if mud properties are needed, then proceed to the shaker with "buddy"
 - d.** monitor other hands on pit side of rig visually
 - e.** proceed to open manual well-head if necessary (with "buddy")
- iii.** Motorman
 - a.** after donning breathing apparatus, go to the cascade system and ensure safe operation
 - b.** maintain visual contact with chain hand on doghouse side of floor
- iv.** Chain Hand
 - a.** after donning breathing apparatus, stab safety valve if tripping
 - b.** go to doghouse/pipe-rack and maintain visual contact with driller and motorman
- v.** Floorman
 - a.** after donning breathing apparatus, stab safety valve if tripping
 - b.** aid driller while maintaining visual contact with driller, derrickman, and chainhand
- III.** Auxiliary Personnel
 - i.** Mud engineer and Company man or geologist are to act as wardens. Wardens must account for all other auxiliary crew.
 - ii.** All auxiliary crew are to remain in safety briefing area unless evacuated by wardens.
 - iii.** Wardens organize search with notification from company. All searches are to be done with "buddy". Geologist warden should remain in safety briefing area.

2.4.5 IGNITING THE WELL

I. Decision

- i. The Company Foreman holds the responsibility for the decision to ignite a well. In the case where he is incapacitated or absent authority passes to the tool pusher and then the contract driller
- ii. the decision to ignite the well is only to be made as a last resort safety measure when
 - a. there is threat human life and grave threat to public safety and equipment
 - b. there is no alternative way of containing the well given the emergency faced.
 - c. an attempt was made to contact area office (circumstances permitting)*

****when human life is threatened no delay in decision making can be afforded***

II. Instructions for Igniting the Well

- i. Two individuals are required for ignition
- ii. Both individuals will wear SCBAs & have 200-foot retrieval ropes tied to their waists
- iii. One individual will measure the atmosphere for explosive gasses with appropriate meter.
- iv. The other individual will remain in the safety briefing area
- v. Others in the briefing area are to remain aware of both individuals and aid as able. If either tethered individual is overcome by gas, he should be pulled to safety.
- vi. The well should be lit with a 25 mm meteor type flare gun when well conditions allow. The safest method of igniting the well should always be used.
- vii. Burning H₂S will produce sulfur dioxide which is poisonous. The area therefore is not safe once the well has ignited. Continue to observe all emergency procedures and follow orders from supervisors and the area office. Notice of incident must be reported to all appropriate authorities.

3.0 APPENDICES

3.1 CHECK LIST FOR SAFETY EQUIPMENT (DESIGNED FOR A MAXIMUM OF 11 PEOPLE)

- 1 Safety Trailer housing cascade system at least ten 300 cu. ft. bottles of compressed air
- 7 SCBA type breathing apparatuses with 45 cu. ft. bottles
- 5 breathing masks connected to the cascade system with 7 cu. ft. pony bottles
- 2 extra 300 cu. ft. bottles able to refill SCBA bottles to be placed at the safety briefing areas
- 2 Wind socks
- 1 Flare gun and flares
- 1 rescue pack (as described in section 2.3.1)
- 1 Warning signs for access (flags for marking conditions)
- 1 "Safety Briefing Area" signs, evacuation route flags
- 1 H₂S monitors (personnel and stationary)
- 1 Alarm system (audio and visual—explosion proof)
- 1 Gas Monitor

*H₂S Contingency Plan***3.2 EMERGENCY PHONE NUMBERS**Navajo Nation Oil & Gas Company Personnel to be Notified

Wilson Groen	President	Office: (928) 871-4880 Cell: (505) 879-6483 Direct: (928) 871-8501
Wayne Williams		Cell: (720) 334-9920 Office: (303) 534-8300
John Hatch		Cell: (303) 887-3684 Home: (303) 534-8300

Safety Company Personnel

(Name)	(Position)	(Number work) (Number home)
(Name)	(Position)	(Number work) (Number home)

Local Agencies

Agency	Number
San Juan County Fire Department (Monticello)	911 (435) 587-3225
San Juan County Sheriff (Monticello)	911 (435) 587-2237
San Juan County Emergency Management (Monticello)	(435)-587-3225
Blue Mountain Hospital	(435) 678-3993 802 South 200 West Blanding, UT
San Juan Hospital	(435) 587-2116 364 West 100 North Monticello, UT
Navajo Nation Police (Montezuma Creek) (Monument Valley)	(505) 368-1350 (505) 325-0022

Other Government Agencies

Agency	Number
National Response Center	800-424-8802
BLM - Monticello Field Office	(435) 587-1500
- Jeff Brown	(435) 587-1525
- Mobile	(435) 459-4886
- Field Manager	(435) 587-1505
BLM - Farmington Field Office	(505) 564-7600
- Jim Lovato	(505) 249-2004
BIA - Gallup, Bertha Spencer	(505) 863-8336

H₂S Contingency Plan

Utah Division of Oil, Gas and Mining (SLC) During Office Hours	(801) 538-5340
After Hours	(801) 243-9466
Utah State Emergency Response Commission	(801) 536-4123
Utah Highway Patrol (Monticello)	(435) 587-2000
Mexican Water Chapter House	(928) 674-3641
Red Mea Chapter House	(928) 656-3655
Utah Health Department (Price)	(435) 637-3671
US EPA Region 8 (Denver)	(800) 227-8917
Navajo Nation Minerals Dept. (Window Rock, AZ)	(928) 871-6587
Veterinarian, Watkins, Clyde H. DVM	(435) 678-2414
Helicopter - New Air Helicopters (Durango) - Heli NM (Albuquerque)	(970) 259-6247 (866) 995 1058
Blanding Air Ambulance	(800) 742-8787
Classic Aviation	(800)-444-9220 ext 5

Residents within 2 miles

There are 13 homes and 1 NM Headstart within 2 miles of the Tohonadla 1D well. The closest home is ≈4,300' west-southwest (See H₂S Contingency Plan Map attached).

H₂S Contingency Plan

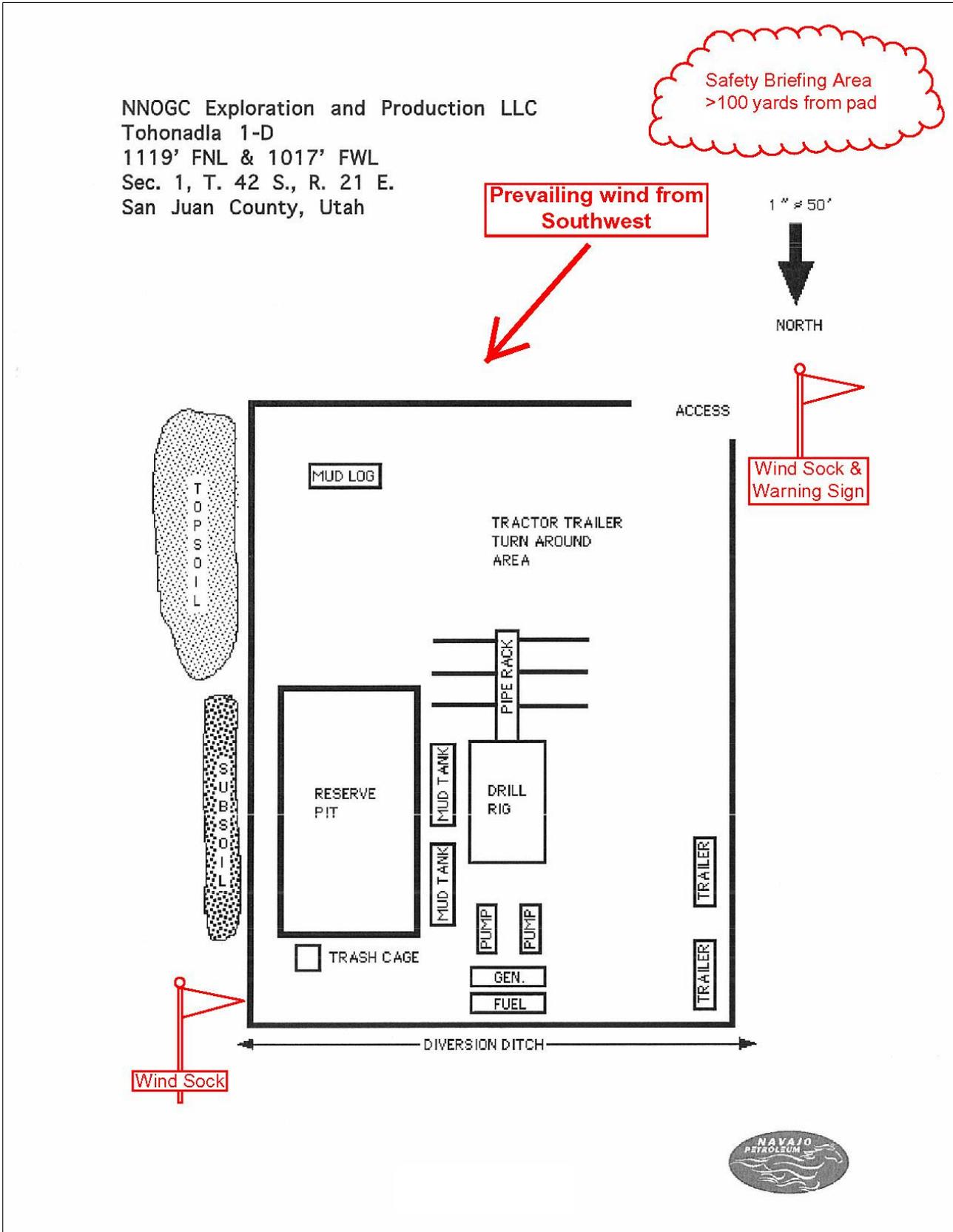


Figure 1. Well Pad and Drill Rig Layout with Wind Socks and Safety Briefing Area.

H₂S Contingency Plan

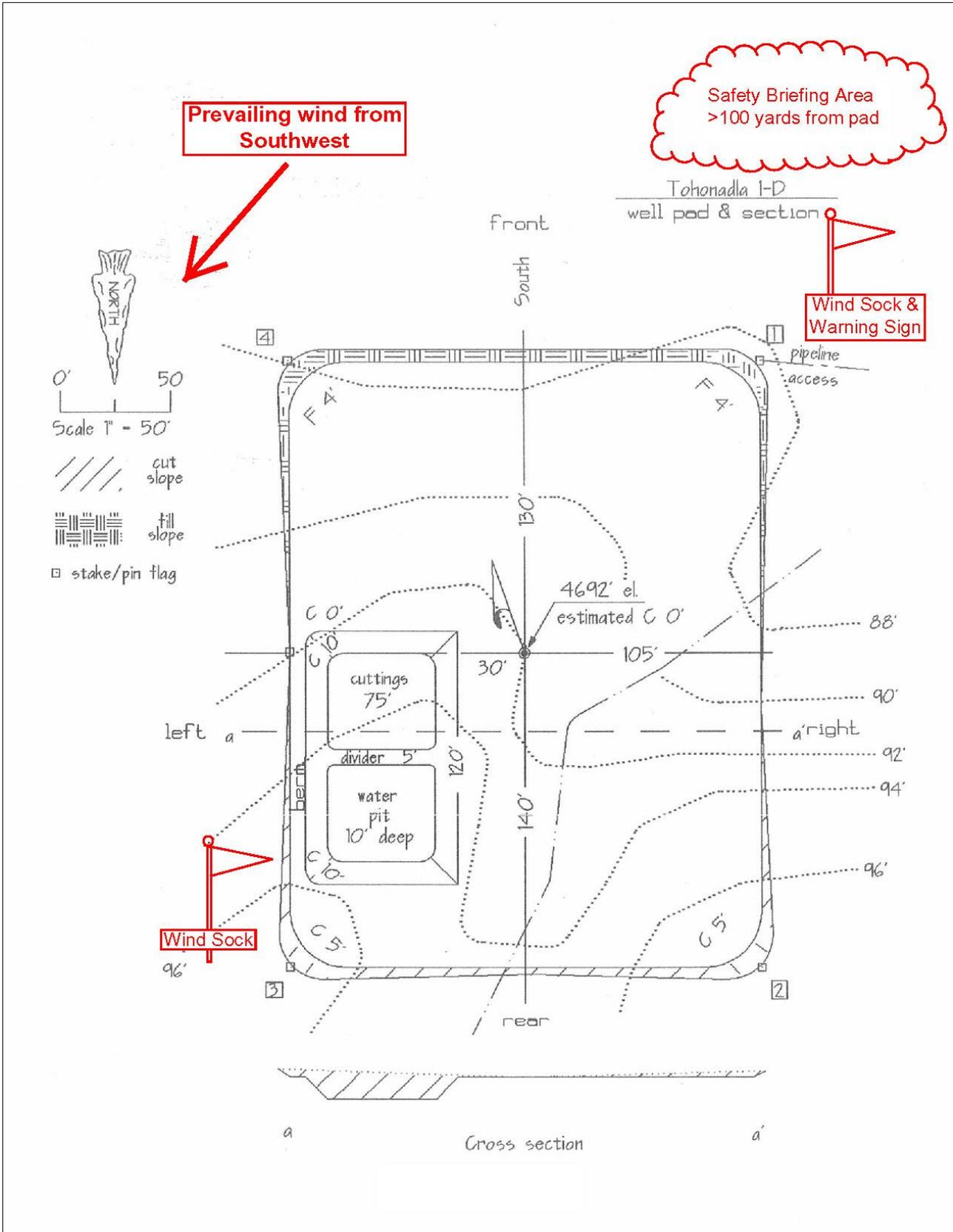


Figure 2. Well Pad with original topography, Wind Socks, and Safety Briefing Area.

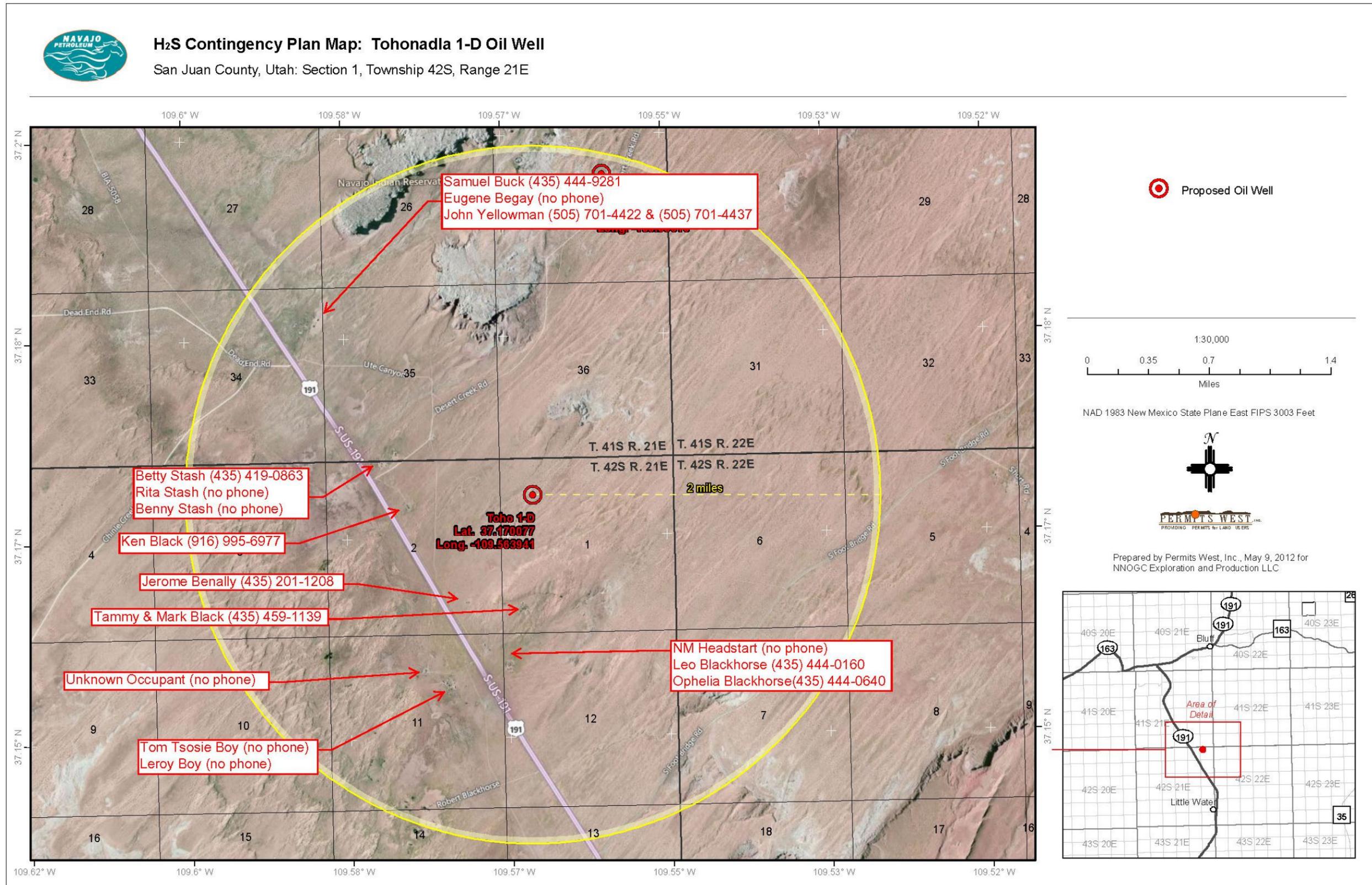


Figure 3. H₂S Contingency Plan Map: Tohonadla 1-D Oil Well with 2-mile buffer, contact names, and phone numbers.

API Well Number: 43037500530000

NAVAJO NATION OIL & GAS COMPANY

EXPLORATION & PRODUCTION, LLC

1625 Broadway Suite 1000 • Denver, Colorado • 80202

Telephone (303) 534-8100 • FAX (303) 534-8105

February 27, 2013



Utah Department of Natural Resources: Division of Oil, Gas, and Mining
Diana Mason
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Diana:

RE: EXCEPTION TO LOCATION
Well Name: Tohonadla 1-D
APD Number: 7721
Lease No.: 14-20-603-229
Operator: NNOGC Exploration and Production, LLC

Pursuant to R649-3-2, I would like to request an exception for the location of the above referenced well.

The location of the proposed well is not in the center of the quarter-quarter in Section 1: Township 42 South, Range 21 East SLPM, San Juan County, Utah. The site of this proposed well is on Navajo Tribal land and the Navajo Nation is the only owner within 460 feet of the proposed well.

NNOGC has received approval from the BIA, BLM, the Navajo Nation and NEPA for this proposed well and pipeline on Navajo Tribal Trust land. The reason for this particular well location is for production in the Desert Creek and Ismay formations. Also, this location is near existing access to eliminate additional surface disturbance. Under the terms of the Navajo Nation Tribal Lease, NNOGC has the obligation to develop these mineral resources.

The need for this project is established under the Federal Onshore Oil & Gas Leasing Reform Act of 1987 to extract mineral resources from Indian Tribal lease land for oil and gas development.

Attached to the Application for Permit to Drill is a well location plat map showing the siting of the proposed well.

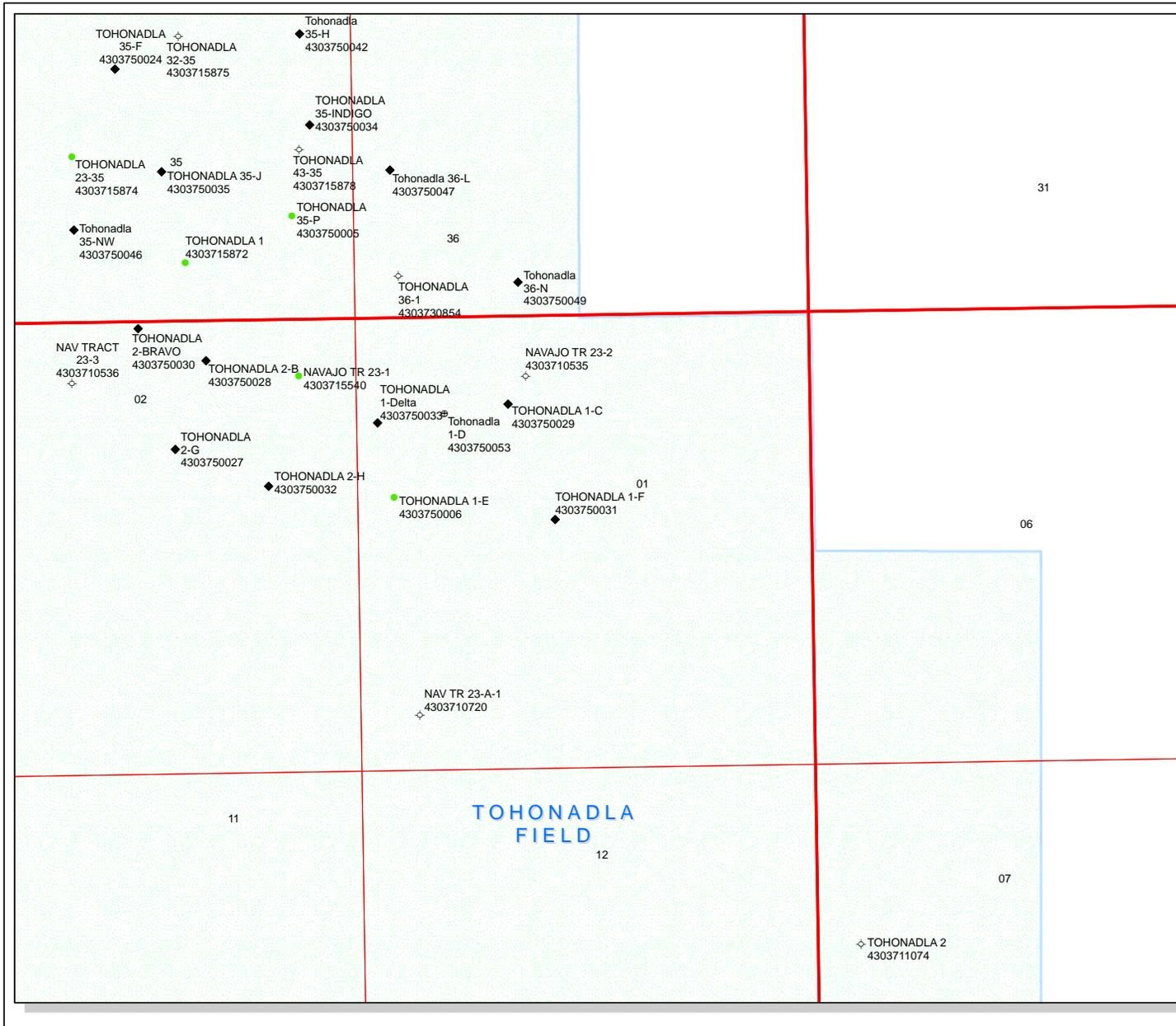
Should you require any additional information to approve this exception, please contact me at (303) 534-8300.

Sincerely,

A handwritten signature in black ink, appearing to read "Katie Hynes", is written over a large, light-colored scribble or mark.

Katie Hynes

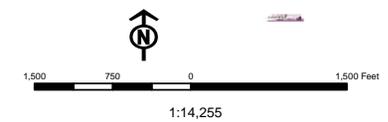
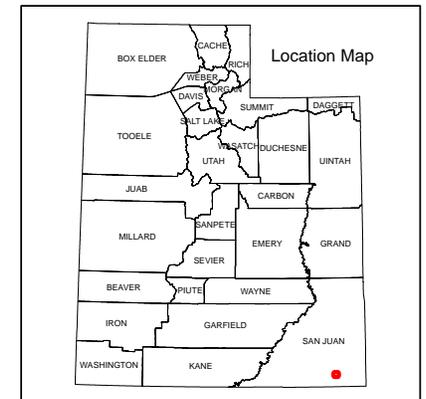
Associate Landman



API Number: 4303750053
Well Name: Tohonadla 1-D
Township T42.0S Range R21.0E Section 01
Meridian: SLBM
 Operator: NNOGC EXPLORATION & PRODUCTION, LLC

Map Prepared:
 Map Produced by Diana Mason

- Units STATUS**
- ACTIVE
 - EXPLORATORY
 - GAS STORAGE
 - NF PP OIL
 - NF SECONDARY
 - PI OIL
 - PP GAS
 - PP GEOTHERMAL
 - PP OIL
 - SECONDARY
 - TERMINATED
- Fields STATUS**
- Unknown
 - ABANDONED
 - ACTIVE
 - COMBINED
 - INACTIVE
 - STORAGE
 - TERMINATED



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 2/27/2013

API NO. ASSIGNED: 43037500530000

WELL NAME: Tohonadla 1-D

OPERATOR: NNOGC EXPLORATION & PRODUCTION, LLC (N3930)

PHONE NUMBER: 303 538-8300

CONTACT: Lauren Germinario

PROPOSED LOCATION: NWNW 01 420S 210E

Permit Tech Review:

SURFACE: 1119 FNL 1017 FWL

Engineering Review:

BOTTOM: 1119 FNL 1017 FWL

Geology Review:

COUNTY: SAN JUAN

LATITUDE: 37.17009

LONGITUDE: -109.56390

UTM SURF EASTINGS: 627497.00

NORTHINGS: 4114707.00

FIELD NAME: TOHONADLA

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-603-270

PROPOSED PRODUCING FORMATION(S): ISMAY-DESERT CREEK

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: INDIAN - RLB0006712
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 09-135
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: R649-3-3
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - dmason
4 - Federal Approval - dmason
23 - Spacing - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Tohonadla 1-D
API Well Number: 43037500530000
Lease Number: 14-20-603-270
Surface Owner: INDIAN
Approval Date: 3/4/2013

Issued to:

NNOGC EXPLORATION & PRODUCTION, LLC, 1625 Broadway, Suite 1000, Denver ,
CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-3. The expected producing formation or pool is the ISMAY-DESERT CREEK Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an

area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-270
---	--

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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
--	--

1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Tohonadla 1-D
-----------------------------	---

2. NAME OF OPERATOR: NNOGC EXPLORATION & PRODUCTION, LLC	9. API NUMBER: 43037500530000
---	----------------------------------

3. ADDRESS OF OPERATOR: 1625 Broadway, Suite 1000 , Denver , CO, 80202	PHONE NUMBER: 303 910-9525 Ext	9. FIELD and POOL or WILDCAT: TOHONADLA
---	-----------------------------------	--

4. LOCATION OF WELL FOOTAGES AT SURFACE: 1119 FNL 1017 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 01 Township: 42.0S Range: 21.0E Meridian: S	COUNTY: SAN JUAN STATE: UTAH
--	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/15/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Please see attached revised Drilling Program

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: April 10, 2013

By: *Derek Quist*

NAME (PLEASE PRINT) Lauren Germinario	PHONE NUMBER 303 538-8300	TITLE Land Manager
SIGNATURE N/A	DATE 4/10/2013	

NNOGC Exploration and Production, LLC
 Tohonadla 1-D
 1119' FNL & 1017' FWL
 Sec. 1, T. 42 S., R. 21 E.
 San Juan County, Utah

PAGE 1

Drilling Program

1. FORMATION TOPS

The estimated tops of important geologic markers are:

KB = 4687

	TVD	Subsea
Carmel	0	4687
Navajo	155	4532
Kayenta	555	4132
Wingate	600	4087
Chinle	1050	3637
Moenkope	2040	2647
De Chelly	2120	2567
Cutler	2312	2375
Hermosa	4066	621
Hatch Sh.	4908	-221
U. Ismay	4934	-247
Top Core #1	4990	-303
Hovenweep Sh.	4992	-305
L. Ismay	5010	-323
Gothic Lm.	5075	-388
Gothic Sh.	5087	-400
U. Desert Creek	5096	-409
Base Core #1	5136	-449
L. Desert Creek	5228	-541
Chimney Rock Sh.	5338	-651
Akah Anhydrite	5346	-659
Top Core #2	5570	-883
U. Barker Creek	5586	-899
M. Barker Creek	5656	-969
L. Barker Creek	5760	-1073
Pinkerton Trail	5840	-1153
Base Core #2	5900	-1213
Molas	6020	-1333
Leadville	6225	-1538
Projected TD	6500	-1813



NNOGC Exploration and Production, LLC
Tohonadla 1-D
1119' FNL & 1017' FWL
Sec. 1, T. 42 S., R. 21 E.
San Juan County, Utah

PAGE 2

2. NOTABLE ZONES

Desert Creek and Ismay oil production is the primary goal. Upper Leadville oil production and Barker Creek oil is the secondary goal. Oil and gas shows which appear to the well geologist to be commercial will be tested. All fresh water and prospectively valuable minerals will be recorded by depth and protected with casing and cement. Likely fresh water zones are the Glen Canyon group of sandstones.

3. PRESSURE CONTROL

A 13-5/8" 3,000 psi double ram and annular preventer with a 3,000 psi choke manifold will be used. A diagram of a typical BOP is on Page 3. Actual model will not be known until bid is let. Procedures are ...

- Nipple up BOP and all equipment
 - Test to 250 #/3,000#
 - Test Hydril to 2,000 psi
 - Log in I. A. D. C. book
- Drill 1/2 of shoe joint
 - Test to 1,500 psi for 30 minutes
 - Log in I. A. D. C. book
- Activate BOPs every 24 hours or on trips and log in I. A. D. C. book
- Install hand wheels and lay straight flare line before drilling out
- Conduct weekly BOP drills with each crew and log in I. A. D. C. book
- Have floor valve and wrench on floor at all times
 - Floor valve must be in open position
- Before drilling surface casing shoes, blind rams will be closed. BOP and surface casing will be pressure tested to 1,500 psi for a total test time of 30 minutes if not previously tested by Halliburton during cement job.
- Studs on all well head and BOP flanges will be checked for tightness weekly
- Hand wheels for locking screws will be installed and operational
- Entire BOP and well head assembly will be kept clean of mud
- A drill stem safety valve in the open position will be available
- Call BLM at (505 599-8900) and the Utah Division of Oil, Gas, & Mining at (801 538-5340) before testing BOPs



NNOGC Exploration and Production, LLC
 Tohonadla 1-D
 1119' FNL & 1017' FWL
 Sec. 1, T. 42 S., R. 21 E.
 San Juan County, Utah

PAGE 3

4. CASING & CEMENT

Hole Size	O. D.	Weight	Grade	Age	Coupling	Burst/Collapse	Depth Set
20"	16"		Conductor	New			60'
13-3/8"	9-5/8"	36#	J or K-55	New	S T & C	3,520/2,020	2,100'
8-3/4"	7"	26#	L-80	New	L T & C	7,240/5,410	6,850'

Conductor pipe will be cemented to the surface with ready-mix.

Surface casing will be cemented to the surface with $\approx 50\%$ excess. Lead with ≈ 400 sacks (≈ 633 cubic feet) Halliburton light with 5 pounds per sack gilsonite + 1/4 pound per sack cellophane mixed at 12.4 pounds per gallon and 1.95 cubic feet per sack. Tail with ≈ 200 sacks (≈ 238 cubic feet) standard cement + 1% CaCl_2 + 1/4 pound per sack cellophane mixed at 15.6 pounds per gallon and 1.19 cubic feet per sack. Centralizers will be placed $\approx 5'$ off the bottom and on the first three joints and the fifth joint.

Production casing will be cemented with $\approx 40\%$ excess to $\approx 1,900'$ (i. e., $\geq 200'$ above surface casing shoe). Lead with ≈ 600 sacks (≈ 994 cubic feet) Halliburton light with 5 pounds per sack gilsonite + 1/4 pound per sack cellophane mixed at 12.4 pounds per gallon and 1.95 cubic feet per sack. Tail with ≈ 335 sacks (≈ 422 cubic feet) premium with 5 pounds per sack gilsonite + 0.6% Halad 9 + 0.25 CFR-3 mixed at 15.2 pounds per gallon and 1.26 cubic feet per sack. Centralizers will be set on the shoe joint, top of the second and third joints, and continue through and above pay zones at $\approx 90'$ intervals.

5. MUD PROGRAM

Interval	Weight	Viscosity	Fluid Loss	Type
0 - 1,400'	8.3 - 8.7	27 - 32	N/C	Fresh H_2O gel lime spud mud, pH 9
1,400' - TD	8.4 - 10.0	38 - 40	8 cc	Fresh water gel & PHPA, SAPP, etc

Cuttings will be collected every $\approx 30'$ from the surface to $\approx 5,500'$. Cuttings will be collected every $\approx 10'$ from $\approx 5,500'$ to TD.

6. CORES, LOGS, & TESTS

Cores may be cut depending upon shows, most likely in the Desert Creek. GR - Sonic and DLL-Micro-SFL log suites will be run from TD to the surface. FDC-CNL logs will be run from TD to $\approx 4,000'$. No drill stem tests are currently planned.

A geologist or mud logger will be on site from $\approx 4,000'$ to TD.



NNOGC Exploration and Production, LLC
Tohonadla 1-D
1119' FNL & 1017' FWL
Sec. 1, T. 42 S., R. 21 E.
San Juan County, Utah

PAGE 4

7. DOWN HOLE CONDITIONS

No abnormal temperatures or abnormal pressures are expected. Maximum expected bottom hole pressure will be $\approx 2,945$ psi. Hydrogen sulfide is expected in the Mississippian, just below the Pinkerton. A contingency plan is attached.

8. OTHER INFORMATION

The anticipated spud date is upon approval. It is expected it will take ≈ 3 weeks to drill and ≈ 2 weeks to complete the well.

Surface Use Plan

1. DIRECTIONS (See PAGES 11 - 13)

From the junction of US 163 and US 191 west of Bluff
Go South 8-1/4 miles on US 191 to the equivalent of mile post 13.1
Then turn left and go Northeast 3/4 miles on a sandy road
Then turn right and go Southeast 0.2 mile on a sandy road
Then turn left and go East 746.45' cross country to the proposed pad

Roads will be maintained to at least equal to their present condition.

2. ROAD WORK (See PAGES 12 & 13)

No upgrade is needed for the existing road. The 746.45' of new road will be built to BLM Gold Book standards. Road will have a $\approx 14'$ wide running surface and will be rocked where needed. No culvert, vehicle turn out, or cattle guard is needed. Maximum disturbed width will be 20'. Maximum cut or fill = 4'. Maximum grade = 3%.

3. EXISTING WELLS (See PAGE 12)

One water, four oil, and five plugged wells within a mile radius. There are no gas or injection wells within a mile radius.



NNOGC Exploration and Production, LLC
Tohonadla 1-D
1119' FNL & 1017' FWL
Sec. 1, T. 42 S., R. 21 E.
San Juan County, Utah

PAGE 5

4. PROPOSED PRODUCTION FACILITIES (See PAGES 12 & 13)

A well head and gas powered pump will be installed on the pad. Both will be painted a flat Carlsbad tan. A 746.45' long ≈ 4 " O. D. steel pipeline will be laid west along the new road from the well to the existing Tohonadla 1-E pipeline. The pipeline will be buried ≈ 36 " deep.

5. WATER SUPPLY

Water will be trucked from Monument Resources' well on private land in 30-40s-22e near Bluff. Water right number is 09-135.

6. CONSTRUCTION METHODS & MATERIALS (See PAGES 14 & 15)

The top 6" of soil and brush will be stripped and stockpiled east of the pad. The pit subsoil will be piled east of the pit and separate from the topsoil. A diversion ditch will be cut north of the pad. A minimum 12 mil plastic liner will be installed in the reserve pit. The reserve pit will be fenced sheep tight on 3 sides with woven wire fence topped with barbed wire. The fourth side will be fenced once the rig moves off. The fence will be kept in good repair while the pit dries. Once dry, contents of the reserve pit will be buried in place. Rock will be bought and trucked from private land near Bluff.

7. WASTE DISPOSAL

All trash will be placed in a portable trash cage and hauled to the county landfill. Human waste will be disposed of in chemical toilets. Toilet contents will be hauled to a state approved dump station off the reservation.

8. ANCILLARY FACILITIES

There will be no air strip or camp. Camper trailers will be parked on the pad for the company man, tool pusher, and mud logger.

9. WELL SITE LAYOUT

See PAGES 14 and 15 for drawings of the well pad, cross section, cut and fill diagram, reserve pit, trash cage, access onto the location, parking, living facilities, and rig orientation.



NNOGC Exploration and Production, LLC
Tohonadla 1-D
1119' FNL & 1017' FWL
Sec. 1, T. 42 S., R. 21 E.
San Juan County, Utah

PAGE 6

10. RECLAMATION

Reclamation starts once the reserve pit is dry, at which point it will be back filled. Liner top will be folded over contents and covered with ≥ 24 " of dirt. The reserve pit and any pad areas not needed for producing the well will be reclaimed as an interim measure. Once the well is plugged, the remainder of the pad and road will be reclaimed.

All reclamation will leave the terrain with a natural shape, slopes will be no steeper than 3 to 1, subsoil will be used to fill the reserve pit, all compacted areas will be ripped ≥ 12 " deep with the contour, topsoil will be spread across all compacted areas and harrowed with the contour. A seed mix will be drilled as prescribed by BLM, BIA, or the Navajo Nation. Weeds will be controlled in accordance with BLM, BIA, or Tribal requirements.

11. SURFACE OWNER

All construction will be on Navajo Tribal surface. Tribal Project Review Office phone is (928) 871-6447. Address is P. O. Box 2249, Window Rock, Arizona, 86515. Land use will be:

220' x 270' well site = 1.36 acres
+ 40' x 746.45' road & pipeline = 0.69 acres
total = 2.05 acres



NNOGC Exploration and Production, LLC
Tohonadla 1-D
1119' FNL & 1017' FWL
Sec. 1, T. 42 S., R. 21 E.
San Juan County, Utah

PAGE 7

12. OTHER INFORMATION

Blue Mountain Hospital is a $\approx 2/3$ hour drive away in Blanding at 802 South and 200 West. Hospital phone number is (435) 678-3993.

Chuck Yarbrough (BIA) and Charles Black (Permits West) held an on site inspection on June 13, 2007. Well was previously approved (SAS DNR-12002), but never built or drilled. Approvals have since expired.

13. REPRESENTATION & CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U. S. C. 1001 for the filing of false statements. Executed this 3rd day of April, 2012.


Bill McCabe

NNOGC Exploration & Production, LLC
1625 Broadway STE 1000
Denver, CO 80202
(303) 534-8300

FAX: (303) 534-1405

Mobile: (303) 257-6303

The field representative will be:

Bill McCabe or John Hatch
NNOGC Exploration and Production, LLC
1625 Broadway, Suite 1000
Denver, CO 80202
(303) 534-8300



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	5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-270
2. NAME OF OPERATOR: NNOGC EXPLORATION & PRODUCTION, LLC	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1625 Broadway, Suite 1000 , Denver , CO, 80202	7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1119 FNL 1017 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 01 Township: 42.0S Range: 21.0E Meridian: S	8. WELL NAME and NUMBER: Tohonadla 1-D
PHONE NUMBER: 303 910-9525 Ext	9. API NUMBER: 43037500530000
9. FIELD and POOL or WILDCAT: TOHONADLA	COUNTY: SAN JUAN
	STATE: UTAH

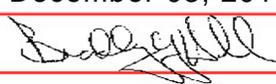
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/4/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Approved by the
Utah Division of
Oil, Gas and Mining

Date: December 03, 2013

By: 

NAME (PLEASE PRINT) Racheal Dahozy	PHONE NUMBER 928-871-4880	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 12/3/2013	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43037500530000

API: 43037500530000

Well Name: Tohonadla 1-D

Location: 1119 FNL 1017 FWL QTR NWNW SEC 01 TWP 420S RNG 210E MER S

Company Permit Issued to: NNOGC EXPLORATION & PRODUCTION, LLC

Date Original Permit Issued: 3/4/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No

- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

- Is bonding still in place, which covers this proposed well? Yes No

Signature: Racheal Dahozy

Date: 12/3/2013

Title: Regulatory Analyst Representing: NNOGC EXPLORATION & PRODUCTION, LLC

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-270	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL Oil Well	
8. WELL NAME and NUMBER: Tohonadla 1-D	
2. NAME OF OPERATOR: NNOGC EXPLORATION & PRODUCTION, LLC	
9. API NUMBER: 43037500530000	
3. ADDRESS OF OPERATOR: 1625 Broadway, Suite 1000 , Denver , CO, 80202	
PHONE NUMBER: 303 910-9525 Ext	
9. FIELD and POOL or WILDCAT: TOHONADLA	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1119 FNL 1017 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 01 Township: 42.0S Range: 21.0E Meridian: S	
COUNTY: SAN JUAN	
STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/4/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Approved by the
February 02, 2015
Oil, Gas and Mining

Date: _____
By:

NAME (PLEASE PRINT) Racheal Dahozy	PHONE NUMBER 928-871-4880	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 1/29/2015	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43037500530000

API: 43037500530000

Well Name: Tohonadla 1-D

Location: 1119 FNL 1017 FWL QTR NWNW SEC 01 TWP 420S RNG 210E MER S

Company Permit Issued to: NNOGC EXPLORATION & PRODUCTION, LLC

Date Original Permit Issued: 3/4/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No

- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

- Is bonding still in place, which covers this proposed well? Yes No

Signature: Racheal Dahozy

Date: 1/29/2015

Title: Regulatory Analyst Representing: NNOGC EXPLORATION & PRODUCTION, LLC



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

May 5, 2016

NNOGC Exploration & Production, LLC
218 N Auburn
Farmington, NM 87401

Re: APD Rescinded – Tohonadla 1-D, Sec. 1, T. 42S, R. 21E,
San Juan County, Utah API No. 43-037-50053

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on March 4, 2013. On December 3, 2013 and February 2, 2015 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective May 5, 2016.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Monticello

