

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER TOHONADLA 35-J				
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 <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR NAVAJO NATION OIL & GAS CO						7. OPERATOR PHONE 303 534-8300				
8. ADDRESS OF OPERATOR P.O. Box 4439, Window Rock, AZ, 86515						9. OPERATOR E-MAIL LGerminario@nnogc.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 1420603229			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') NAVAJO NATION			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input 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		1754 FSL 2233 FEL		NWSE	35	41.0 S	21.0 E	S		
Top of Uppermost Producing Zone		1754 FSL 2233 FEL		NWSE	35	41.0 S	21.0 E	S		
At Total Depth		1754 FSL 2233 FEL		NWSE	35	41.0 S	21.0 E	S		
21. COUNTY SAN JUAN			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1754			23. NUMBER OF ACRES IN DRILLING UNIT 2560				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1092			26. PROPOSED DEPTH MD: 6850 TVD: 6850				
27. ELEVATION - GROUND LEVEL 4657			28. BOND NUMBER RLB0006712			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 09-135				
<b>Hole, Casing, and Cement Information</b>										
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	0 - 1400	24.0	K-55 ST&C	0.0	Halliburton Light , Type Unknown	325	1.95	12.4
							Unknown	200	1.19	15.6
Prod	7.785	5.5	0 - 6850	17.0	J-55 LT&C	10.0	Halliburton Light , Type Unknown	500	1.95	12.4
							Premium Lite High Strength	305	1.26	15.2
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<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 303 534-8300			
SIGNATURE				DATE 09/05/2012			EMAIL lgerminario@nnogc.com			
API NUMBER ASSIGNED 43037500350000				APPROVAL   Permit Manager						

NNOGC Exploration and Production LLC  
 Tohonadla 35-J  
 1754' FSL & 2233' FEL  
 Sec. 35, T. 41 S., R. 21 E.  
 San Juan County, Utah

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## Drilling Program

### 1. ESTIMATED FORMATION TOPS

<u>Formation</u>	<u>GL Depth</u>	<u>KB Depth</u>	<u>Elevation</u>
Carmel Sandstone	0'	10'	+4,657'
Navajo Sandstone	177'	187'	+4,480'
Kayenta Sandstone	613'	623'	+4,044'
Wingate Sandstone	657'	667'	+4,000'
Chinle Shale	1,037'	1,047'	+3,620'
Shinarump Sandstone	1,690'	1,700'	+2,967'
Moenkopi Sand & Mud Stones	1,800'	1,810'	+2,857'
Cutler Sandstone	1,978'	1,988'	+2,679'
Organ Rock Shale/Sltst/Ss	2,287'	2,297'	+2,370'
Hermosa Ls/Ss/Shale	4,007'	4,017'	+650'
Honaker Trail Ls/Sltst/Shale	4,048'	4,058'	+609'
Paradox Ls/Sltst/Marls/Shale	4,607'	4,617'	+50'
Ismay Ls/Dolo/Marls/Shale	4,909'	4,919'	-252'
Lower Ismay Ls/Dolo/Marls/Shale	4,999'	5,009'	-342'
Desert Creek Ls/Dolo/Marls/Shale	5,077'	5,087'	-420'
Barker Creek Ls/Dolo/Anhy/Shale	5,525'	5,535'	-868'
Pinkerton Trail Ls/Dolo/Anhy/Shale	5,715'	5,725'	-1,058'
Molas Mudst/Slt/Ls/Shale	5,882'	5,892'	-1,225'
Leadville Limestone/Dolomite	6,106'	6,126'	-1,449'
Ouray Limestone	6,306'	6,316'	-1,649'
Elbert Formation	6,332'	6,342'	-1,675'
Total Depth (TD)	6,850'	6,860'	-2,193'

### 2. NOTABLE ZONES

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



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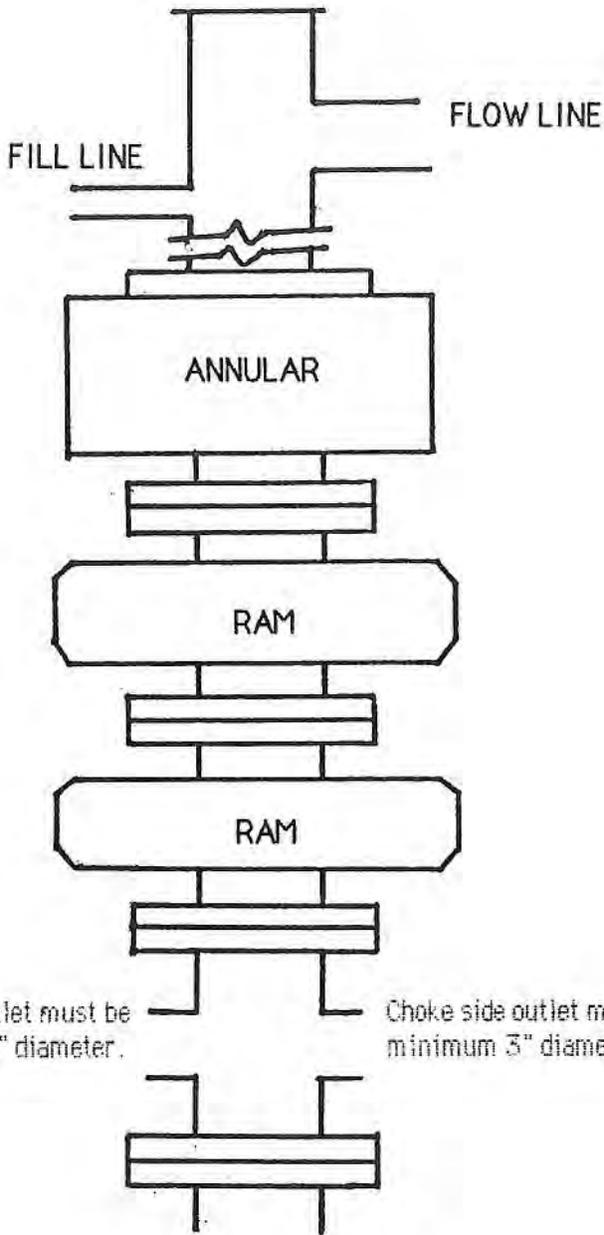
production is the secondary goal. Oil and gas shows which appear to the well geologist to be commercial will be tested. All fresh water and prospectively valuable minerals will be recorded by depth and protected with casing and cement. Likely fresh water zones are the Glen Canyon group of sandstones.

### 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





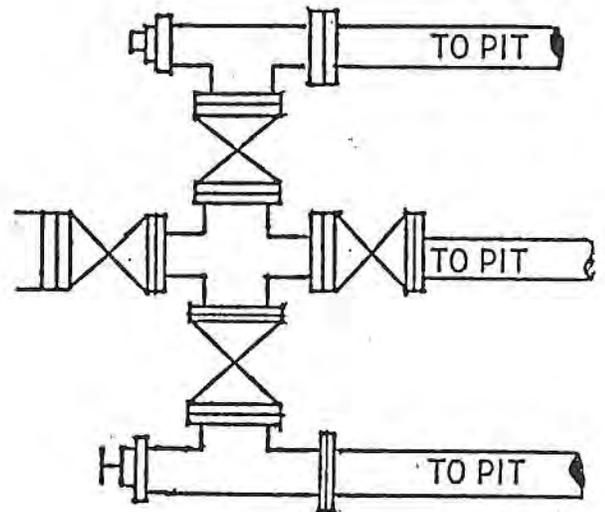
Kill side outlet must be minimum 2" diameter.

Choke side outlet must be minimum 3" diameter.

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

**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.



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.

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#### 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  $\approx 325$  sacks ( $\approx 633$  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  $\approx 200$  sacks ( $\approx 238$  cubic feet) standard cement + 1%  $\text{CaCl}_2$  + 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  $\approx 510$  sacks ( $\approx 994$  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  $\approx 335$  sacks ( $\approx 422$  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 <sub>2</sub> O gel lime spud mud, pH 9
1,400' - TD	8.4 - 10.0	38 - 40	8 cc	Fresh water gel & PHPA, SAPP, etc.



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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 on file.

#### 8. OTHER INFORMATION

The anticipated spud date is January 10, 2012. It is expected it will take  $\approx 3$  weeks to drill and  $\approx 2$  weeks to complete the well.



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## Surface Use Plan

### 1. DIRECTIONS (See PAGES 11, 12, & 16)

From the junction of US 163 and US 191 west of Bluff ....

Go South 7-1/2 miles on US 191 to the equivalent of mile post 13.8\*

Then turn left and go Northeast 0.55 mile on dirt County Road 441

Then turn left and go North 0.1 mile on dirt County Road 4181

Then turn left and go Southwest  $\approx$ 150' cross country to the planned pad

\*The junction of US 191 & County Road 441 is 18.6 miles north of US 160.

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

### 2. ROAD WORK (See PAGE 16)

The  $\approx$ 150' of new road will have a  $\approx$ 14' wide running surface and will be rocked if needed. An 18" x 50' culvert will be installed in the existing road borrow ditch. No vehicle turn out, cattle guard, or road upgrade is needed. Maximum disturbed width = 20'. Maximum cut or fill = 3'. Maximum grade = 5%.

### 3. EXISTING WELLS (See PAGE 13)

Twone water, 7 oil, and 8 plugged wells are within a mile radius. There are no gas or injection wells within a mile radius.

### 4. PROPOSED PRODUCTION FACILITIES (See PAGE 14)

A well head and gas powered pump will be installed on the pad. Both will be



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painted a flat Carlsbad tan. A 301.87' long  $\approx 4$ " O. D. buried pipeline will be laid northeast to an existing NNOGC pipeline. (Beware of the overhead power line at the northeast end.) Maximum land use width will be 40'.

#### 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 15 - 17)

The top 6" of soil and brush will be stripped and stockpiled southeast of the pad. The pit subsoil will be piled southeast of the pit and separate from the topsoil. A diversion ditch will be cut uphill from the piles. 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



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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 15 - 17 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  $\geq 24$ " 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  $\geq 12$ " 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 the Navajo Nation, BIA, or BLM. Weeds will be controlled in accordance with Tribal, BIA, or BLM requirements.

#### 11. SURFACE OWNER

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



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Well Site: 205' x 270' = 1.27 acres  
+ Pipeline & Road : 40' x 301.87' = 0.28 acre  
Total land use = 1.55 acres

## 12. OTHER INFORMATION

Blue Mountain Hospital is a  $\approx 3/4$  hour drive away in Blanding at 802 South and 200 West. Hospital phone number is (435) 678-3993.

Bertha Spencer (BIA), Esther Kee (Navajo Nation), Marcella Martinez (BLM), John Hatch (NNOGC), Gerald Huddleston (Huddleston Land Surveying), and Charles Black (Permits West) conducted an on site inspection on August 24, 2011.

## 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 10th day of September, 2011.



NNOGC Exploration and Production LLC  
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Brian Wood, Consultant

Permits West, Inc.

37 Verano Loop, Santa Fe, NM 87508

(505) 466-8120

FAX: (505) 466-9682

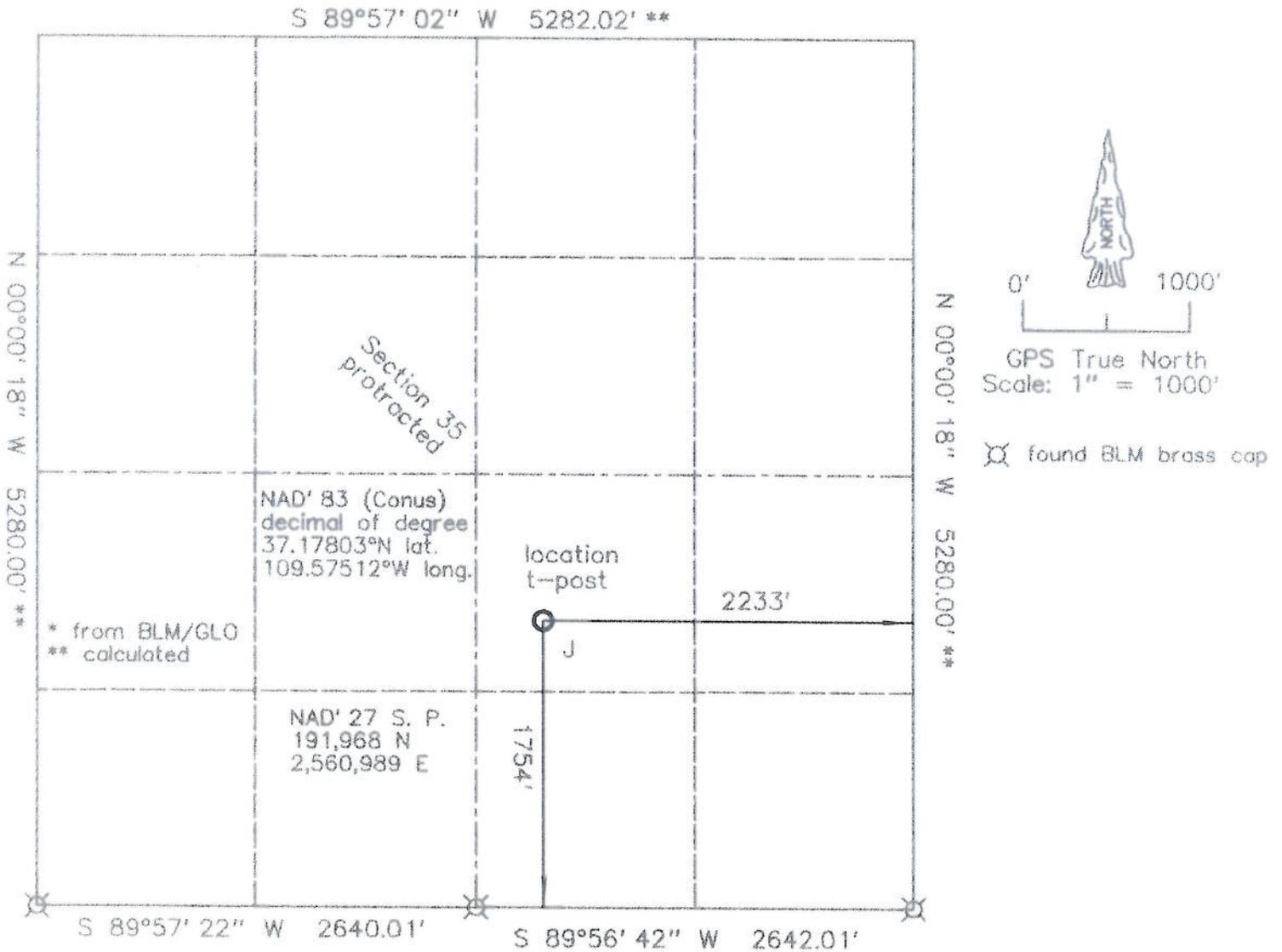
Mobile: (505) 699-2276

The field representative will be:

Scott Daves  
NNOGC Exploration and Production LLC  
1675 Broadway, Suite 1100  
Denver, CO 80202  
(303) 534-8300



Well Location Plot

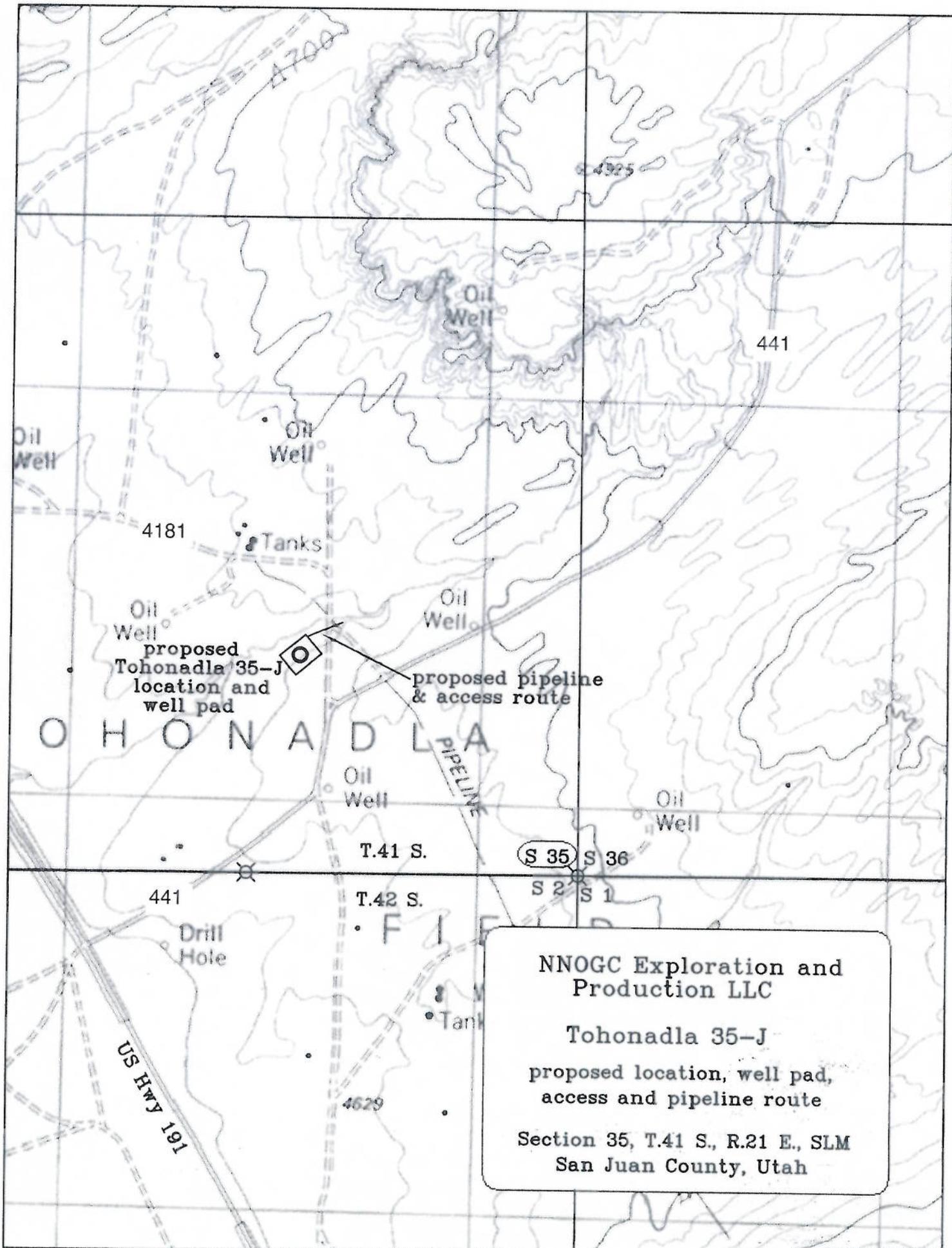


Location Description -  
 NNOGC Exploration and Production LLC  
 Tohonadla 35-J  
 1754' FSL & 2233' FEL  
 Section 35, T.41 S., R.21 E., SLM  
 4657' ground elevation NAVD' 88  
 San Juan County, UT



The above and plat is correct to my knowledge and belief  
 Utah Land Surveyor 161297.

date: 07/27/2011



API Well Number : 43037500350000

NAVAJO NATION OIL & GAS COMPANY

EXPLORATION & PRODUCTION LLC

1675 Broadway, Suite 1100 • Denver, Colorado • 80202

Telephone (303) 534-8300 • FAX (303) 534-1405



September 5, 2012

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 35-J  
APD Number: 5462  
Lease No.: 14-20-603-3229  
Operator: NAVAJO NATION OIL & GAS CO

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 35: Township 41 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.

The Navajo Nation Oil & Gas Company 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 that reads "Katie Hynes". The signature is written in a cursive, flowing style.

Katie Hynes  
Associate Landman



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

<b>APD RECEIVED:</b> 9/5/2012 <b>WELL NAME:</b> TOHONADLA 35-J <b>OPERATOR:</b> NAVAJO NATION OIL & GAS CO (N2550) <b>CONTACT:</b> Lauren Germinario  <b>PROPOSED LOCATION:</b> NWSE 35 410S 210E  <b>SURFACE:</b> 1754 FSL 2233 FEL  <b>BOTTOM:</b> 1754 FSL 2233 FEL  <b>COUNTY:</b> SAN JUAN <b>LATITUDE:</b> 37.17797 <b>UTM SURF EASTINGS:</b> 626493.00 <b>FIELD NAME:</b> TOHONADLA <b>LEASE TYPE:</b> 2 - Indian <b>LEASE NUMBER:</b> 1420603229 <b>SURFACE OWNER:</b> 2 - Indian	<b>API NO. ASSIGNED:</b> 43037500350000  <b>PHONE NUMBER:</b> 303 534-8300  <b>Permit Tech Review:</b> <input checked="" type="checkbox"/> <b>Engineering Review:</b> <input checked="" type="checkbox"/> <b>Geology Review:</b> <input checked="" type="checkbox"/>  <b>LONGITUDE:</b> -109.57506 <b>NORTHINGS:</b> 4115566.00  <b>PROPOSED PRODUCING FORMATION(S):</b> LEADVILLE <b>COALBED METHANE:</b> NO
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**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  
 14 - Commingle Temporary Denial - ddoucet  
 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 35-J

**API Well Number:** 43037500350000

**Lease Number:** 1420603229

**Surface Owner:** INDIAN

**Approval Date:** 10/17/2012

### Issued to:

NAVAJO NATION OIL & GAS CO, P.O. Box 4439, Window Rock, AZ 86515

### 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 LEADVILLE 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.

Downhole commingling between formations cannot occur until the provisions of Rule R649-3-22, Completion Into Two or More Pools, have been met.

**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



Navajo Nations Oil Gas Co. (N2550) to NNOGC Exploration Production, LLC (N3930)  
Effective 8/1/2012

Well Name	Sec	TWP	RNG	API	Entity	Lease	Well Type	Well Status
TOHONADLA 26-OSCAR	26	410S	210E	4303750022		Indian	OW	APD
TOHONADLA 35-F	35	410S	210E	4303750024		Indian	OW	APD
TOHONADLA 2-G	02	420S	210E	4303750027		Indian	OW	APD
TOHONADLA 2-B	02	420S	210E	4303750028		Indian	OW	APD
TOHONADLA 1-C	01	420S	210E	4303750029		Indian	OW	APD
TOHONADLA 2-BRAVO	02	420S	210E	4303750030		Indian	OW	APD
TOHONADLA 1-F	01	420S	210E	4303750031		Indian	OW	APD
TOHONADLA 2-H	02	420S	210E	4303750032		Indian	OW	APD
TOHONADLA 1-Delta	01	420S	210E	4303750033		Indian	OW	APD
TOHONADLA 35-INDIGO	35	410S	210E	4303750034		Indian	OW	APD
TOHONADLA 35-J	35	410S	210E	4303750035		Indian	OW	APD
UTE CANYON 25G-O	25	410S	210E	4303731913	18823	Indian	OW	DRL
TOHONADLA 35-B	35	410S	210E	4303750023	18824	Indian	OW	DRL
UTE CYN 23-INDIGO	23	410S	210E	4303731880		Indian	OW	LA
TOHONADLA 35-P	35	410S	210E	4303731886		Indian	OW	LA
TOHONADLA 1-E	01	420S	210E	4303731887		Indian	OW	LA
TOHONADLA 1-D	01	420S	210E	4303731888		Indian	OW	LA
TOHONADLA 26-O	26	410S	210E	4303731896		Indian	OW	LA
UTE CYN 23-INDIGO	23	410S	210E	4303731911		Indian	OW	LA
NAVAJO TR 23-1	02	420S	210E	4303715540	6230	Indian	OW	P
DESERT CREEK 2	35	410S	230E	4303715868	6270	Indian	OW	P
TOHONADLA 1	35	410S	210E	4303715872	11202	Indian	OW	P
TOHONADLA 23-35	35	410S	210E	4303715874	11202	Indian	OW	P
NAVAJO TRIBAL 23-13	13	400S	240E	4303730971	9420	Indian	OW	P
NAVAJO TRIBAL 14-10	10	400S	240E	4303730977	10130	Indian	OW	P
SAHGZIE 1	05	420S	240E	4303731472	11032	Indian	OW	P
ANASAZI 1	05	420S	240E	4303731478	11042	Indian	OW	P
CAJON MESA 8D-1	08	400S	250E	4303731497	11074	Indian	OW	P
MONUMENT 8N-2	08	400S	250E	4303731509	11087	Indian	OW	P
RUNWAY 10G-1	10	400S	250E	4303731515	11105	Indian	OW	P
LONE MOUNTAIN CREEK 12F-1	12	420S	240E	4303731545	11148	Indian	OW	P
RUNWAY 10E-2	10	400S	250E	4303731550	11128	Indian	GW	P
BLUE HOGAN 1J-1	01	420S	230E	4303731562	11161	Indian	OW	P
TOHONADLA 2-35	35	410S	210E	4303731568	11202	Indian	OW	P
ANASAZI 5L-3	05	420S	240E	4303731572	11207	Indian	OW	P
BROWN HOGAN 1A-2	01	420S	230E	4303731573	11215	Indian	OW	P
MULE 31K (N)	31	410S	240E	4303731617	11326	Indian	OW	P
BURRO 31I	31	410S	240E	4303731708	11496	Indian	OW	P
MULE 31M	31	410S	240E	4303731710	11498	Indian	OW	P
ANASAZI 6H-1	06	420S	240E	4303731744	11773	Indian	OW	P
TOHONADLA 35-P	35	410S	210E	4303750005	11202	Indian	OW	P
TOHONADLA 1-E	01	420S	210E	4303750006	6230	Indian	OW	P
NAVAJO TRIBAL 41-2	02	420S	240E	4303731041	9437	Indian	OW	PA
MONUMENT 17E-2	17	400S	250E	4303731547	11139	Indian	OW	S
RUNWAY 10C-5A	10	400S	250E	4303731597	11152	Indian	OW	S
UTE CYN 23-P	23	410S	210E	4303731881	17282	Indian	OW	S

**NAVAJO NATION OIL & GAS COMPANY**

**EXPLORATION & PRODUCTION LLC**

1675 Broadway, Suite 1100 • Denver, Colorado • 80202

Telephone (303) 534-8300 • FAX (303) 534-1405



September 18, 2012

Utah Division of Oil, Gas and Mining  
c/o Rachel Medina  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801

RECEIVED  
SEP 19 2012  
DIV. OF OIL, GAS & MINING

RE: Change of Operator Name and Address for Wells

Dear Rachel,

I am including with this letter several original FORM 9 to change the operator on wells. This probably will be done in two steps.

1. (16 wells) Change of Operator from RIM Southwest Corporation to Navajo Nation Oil & Gas Co.
2. (Same 16 wells) Change of Operator from Navajo Nation Oil & Gas Co. to NNOGC Exploration and Production, LLC.

We have recently registered our LLC with the State of Utah. The Utah Entity Number for NNOGC Exploration and Production, LLC is: 8399948-0165. Also, a new DOGM No. has been applied for for the LLC.

The name and address change is as follows:

OLD: Navajo Nation Oil & Gas Co.  
1675 Broadway, Suite 1100  
Denver, CO 80202  
(DOGM Operator No. N2550)

NEW: NNOGC Exploration and Production, LLC  
1625 Broadway, Suite 1000  
Denver, CO 80202

Should you require any additional information please contact me at 303-534-8300.

Sincerely,

A handwritten signature in black ink, appearing to read "Katie Hynes". The signature is fluid and cursive.

Katie Hynes  
Associate Landman

**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.

		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See Attached</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Navajo Nation</b>
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> _____		8. WELL NAME and NUMBER: <b>See Attached</b>
2. NAME OF OPERATOR: <b>Navajo Nation Oil &amp; Gas Co.</b>		9. API NUMBER: <b>Various</b>
3. ADDRESS OF OPERATOR: <b>1675 Broadway, Suite 1100</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>		10. FIELD AND POOL, OR WILDCAT: <b>Various</b>
PHONE NUMBER: <b>(303) 534-8300</b>		
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>See Attached List</b>		COUNTY: <b>San Juan</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

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

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

The Navajo Nation Oil and Gas Co. has registered its new entity with the State of Utah. The Operator Name and Address change applies to all wells currently operated by DOGM No. N2550 (see attachment).

The Utah Entity Number for the LLC is: 8399948-0165.

The new Entity is:

NNOGC Exploration and Production, LLC  
1625 Broadway, Suite 1000  
Denver, CO 80202

NEW DOGM No. : 3930

Bond No. RLB0006712

Effective: July 10, 2010

NAME (PLEASE PRINT) Lauren Germinario TITLE Land Manager  
SIGNATURE *Lauren Germinario* DATE 9/14/12  
**APPROVED**

(This space for State use only)

DEC 3 1 2012

RECEIVED

DIV. OIL GAS & MINING  
BY: Rachel Medina

SEP 17 2012

**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.

<b>1. TYPE OF WELL</b> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> See Attached
<b>2. NAME OF OPERATOR:</b> Navajo Nation Oil & Gas Co		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> Navajo Nation
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 5069                      CITY Window Rock                      STATE AZ                      ZIP 86515		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: _____		<b>8. WELL NAME and NUMBER:</b> See Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		<b>9. API NUMBER:</b> Various
COUNTY: San Juan		<b>10. FIELD AND POOL, OR WILDCAT:</b> Various
STATE: UTAH		

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

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

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

The Navajo Nation Oil & Gas Co. has registered its new entity with the State of Utah. The name and address change applies to all the wells that have recently changed from RIM Southwest Corporation to Navajo Nation Oil & Gas Co. (DOGM No. N2550)

The Utah Entity Number for the LLC is: 8399948-0165

Note: A new DOGM No. has been applied for NNOGC Exploration and Production, LLC

Please see the attached list of wells that will now be operated by:

NNOGC Exploration and Production, LLC  
1625 Broadway, Suite 1000  
Denver, CO 80202

All of these wells are covered by Bond No. RLB0006712

Effective: Aug 1, 2012

NAME (PLEASE PRINT) <u>Lauren Germinario</u>	TITLE <u>Land Manager</u>
SIGNATURE <u><i>Lauren Germinario</i></u>	DATE <u>9/18/2012</u>

This space for State use only) **APPROVED**

**DEC 31 2012**

DIV. OIL GAS & MINING

BY: Rachel Medina (See Instructions on Reverse Side)

RECEIVED  
SEP 19 2012  
DIV. OF OIL, GAS & MINING

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

**Request to Transfer Application or Permit to Drill**

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	See Attached
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:                      Section:                      Township:                      Range:
<b>Company that filed original application:</b>	Navajo Nation Oil & Gas Co.
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	

Check one	Desired Action:
<input checked="" type="checkbox"/>	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
	<b>Transfer approved Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property as permitted, 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.	Yes	No
If located on private land, has the ownership changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If so, has the surface agreement been updated?	<input type="checkbox"/>	<input type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>RLB0006712</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Lauren Germinario Title Land Manager  
 Signature *Lauren Germinario* Date 9/14/12  
 Representing (company name) NNOGC Exploration and Production, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420603229
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> TOHONADLA 35-J
<b>2. NAME OF OPERATOR:</b> NNOGC EXPLORATION & PRODUCTION, LLC	<b>9. API NUMBER:</b> 43037500350000
<b>3. ADDRESS OF OPERATOR:</b> 1625 Broadway, Suite 1000 , Denver , CO, 80202	<b>PHONE NUMBER:</b> 303 910-9525 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1754 FSL 2233 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 35 Township: 41.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> TOHONADLA  <b>COUNTY:</b> SAN JUAN  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>4/15/2013</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> 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 Drilling Program AND H2S Contingency Plan

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

**Date:** May 08, 2013

**By:** *Derek Quist*

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

NNOGC Exploration and Production, LLC  
 Tohonadla 35-J  
 1754' FSL & 2233' FEL  
 Sec. 35, T. 41 S., R. 21 E.  
 San Juan County, Utah

PAGE 1

Drilling Program1. 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 35-J  
1754' FSL & 2233' FEL  
Sec. 35, T. 41 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 35-J  
 1754' FSL & 2233' FEL  
 Sec. 35, T. 41 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	LT & 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  $\approx 400$  sacks ( $\approx 633$  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  $\approx 200$  sacks ( $\approx 238$  cubic feet) standard cement + 1%  $\text{CaCl}_2$  + 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  $\approx 600$  sacks ( $\approx 994$  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  $\approx 335$  sacks ( $\approx 422$  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 <sub>2</sub> O 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.



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## 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  $\approx 3$  weeks to drill and  $\approx 2$  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.



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#### 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 west along the new road from the well to the existing Tohonadla 1-E pipeline. The pipeline will be buried  $\approx 36$ " 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.



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#### 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  $\geq 24$ " 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  $\geq 12$ " 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



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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



# TOHONADLA FIELD-WIDE HYDROGEN SULFIDE (H<sub>2</sub>S) CONTINGENCY PLAN

**NNOGC EXPLORATION AND PRODUCTION, LLC**

**BLM LEASE NUMBERS:**

**14-20-603-229**

**&**

**14-20-603-270**

**San Juan County, Utah**

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

**Prepared For:**



**Prepared By:**

**PERMITS WEST, INC.**  
**PROVIDING PERMITS for LAND USERS**  
37 Verano Loop, Santa Fe, New Mexico 87505 (505) 466-8120

*Tohonadla Field-Wide H<sub>2</sub>S Contingency Plan*

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*Tohonadla Field-Wide H<sub>2</sub>S Contingency Plan*

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**CHECKLIST FOR DRILLING, WORK OVER, AND MAINTENANCE IN H<sub>2</sub>S 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 individual Applications for Permit to Drill [APDs] for topographic maps).
2. Identify direction of prevailing winds (see individual APDs).
3. At least two wind socks installed at all times on opposite sides of the pad.
4. Primary and secondary emergency escape routes (flagged trail minimum).
5. Number, types, and storage location of H<sub>2</sub>S emergency respirators for personnel, and number of personnel to be present onsite at any one time.
6. H<sub>2</sub>S 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. H<sub>2</sub>S 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 H<sub>2</sub>S operations.
10. Design features and operational procedures to be used to provide safe working environment (including a certification by the operator on individual APDs that all equipment meets standards for H<sub>2</sub>S service).
11. Appropriate warning signs and flags on all access roads.
12. Provisions for blocking and monitoring access to location during a 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 H<sub>2</sub>S 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 (H<sub>2</sub>S) is a colorless, transparent gas with a distinct and characteristic rotten-egg odor at low concentrations and not detectable by odor at high concentrations. H<sub>2</sub>S 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. H<sub>2</sub>S has a specific gravity of 1.192 which is heavier than air. It tends, therefore, to accumulate in low places and depressions. This collection of gas can lead to dangerous concentrations in areas such as arroyos and drainages. H<sub>2</sub>S 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 (ANSI) standard: Z37.2-1972 Acceptable Concentrations of Hydrogen Sulfide describes H<sub>2</sub>S 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 H<sub>2</sub>S 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 H<sub>2</sub>S victim. It is important to never increase the number of victims unnecessarily during a H<sub>2</sub>S emergency.**

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*Tohonadla Field-Wide H<sub>2</sub>S Contingency Plan*

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## 2.0 HYDROGEN SULFIDE H<sub>2</sub>S CONTINGENCY PLAN

### 2.1 INTRODUCTION

This plan provides required procedures to be followed to adequately provide for a safe H<sub>2</sub>S 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 (H<sub>2</sub>S) area.

To make this H<sub>2</sub>S 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 at an individual well must understand normal and emergency operating procedures for that particular site (See individual APDs for additional information). Each person at an individual site must have adequate information, training, and practice with the specific procedures described in this Contingency Plan, coupled with the information found in the individual well's APDs. It is the responsibility of the operator to provide adequate equipment, training, and procedures, and the individual worker's responsibility to participate fully in all H<sub>2</sub>S 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 individual wells, 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, or in the vicinity of the well being drilled. There exists the possibility of encountering toxic H<sub>2</sub>S gas during the drilling, completion, maintenance, and production of individual wells in the Tohonadla Field. This H<sub>2</sub>S contingency plan will be put into effect after surface casing is drilled in any individual well, 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. There are two separate houses (Rita & Benny Stash and Ken Black) closest to NNOGC wells, each being ≈680 feet west of two different wells (2 Bravo & 2G).

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

### 2.3 OPERATING PROCEDURES

**Before this H<sub>2</sub>S Contingency Plan is operational, all personnel that are to be involved in the operation will be thoroughly trained\* in the proper use of breathing apparatus\*\* [i. e. Self-Contained Breathing Apparatus (SCBAs) and Escape Units], emergency procedures, and H<sub>2</sub>S first-aid and rescue methods. An approved list of trained personnel will be supplied by the safety company and stored with the drilling foreman at each individual site.**

*\* Required training for operation personnel will include, but not be limited to, H<sub>2</sub>S 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*

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Tohonadla Field-Wide H<sub>2</sub>S Contingency Plan

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onsite, safety-related training in-place, onsite 1,000 feet before the first H<sub>2</sub>S formation.

**\*\* Throughout this Contingency Plan, breathing apparatus shall be understood as:**

- a) A Self-Contained Breathing Apparatus (SCBA) manufactured by a credible safety equipment manufacturer 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 H<sub>2</sub>S Monitors** - Every person at the site will be required to wear a personal H<sub>2</sub>S 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 be responsible for the installation and monitoring of H<sub>2</sub>S detectors placed onsite. These units will be tested and recalibrated as the safety company requires. If H<sub>2</sub>S 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 onsite. This two stage system (visual and audio) will have a minimum of three H<sub>2</sub>S detector locations. Monitors will be located as follows: 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 H<sub>2</sub>S concentrations reach 10 ppm.

**First-Aid and Rescue Equipment** - Stored onsite, but ideally up-hill and up-wind from H<sub>2</sub>S sources a minimum of one "rescue pack" will contain at least:

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

--**Suggested:** 1 Automatic External Defibrillator (AED)

**Gas Monitor** - An appropriate monitor should be onsite that can measure for Lower Explosive Limit (LEL), Volatile Organic Compounds (VOCs), and other explosive or hazardous gases.

### 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

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*Tohonadla Field-Wide H<sub>2</sub>S Contingency Plan*

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- derrick
- shale shaker
- mud hopper and bulk hopper
- all hazardous locations will be accessible by hose and work pack (SCBA)

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

**Safety Briefing Areas** – The NNOGC Foreman will establish two safety briefing areas located at the end of escape routes (see above). The Foreman will use best judgment along with information from individual well APDs to locate briefing areas that will be clearly marked, with at least one briefing area located uphill. One safety briefing area will always be upwind. Refer to specific maps and diagrams available in individual well's APDs for information helpful in establishing two Safety Briefing Areas. Figures 1 and 2 provide examples of Safety Briefing Areas placement.

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

**Service companies** - All service companies will be briefed regarding potential hazards of the individual well site including the presence (or potential for) H<sub>2</sub>S. 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 H<sub>2</sub>S procedures will be provided to each new personnel member reporting onsite.

**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 H<sub>2</sub>S 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 would include a short work period in safety equipment.

**Warning Signs** - Warning signs will be posted at all access roads (See examples in Figures 1 and 2). "No smoking" signs will be posted at access points as well. Signs will be posted more than 200 feet and no more than 500 feet from well pad. When H<sub>2</sub>S 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 on opposing sides of the pad (see examples in Figures 1 and 2). Specific wind sock locations for each site will be identified by the company foreman to allow easy visibility for all workers. If more than two windsocks are needed in order to allow "workers" to easily identify the wind direction at all times, more wind socks will be installed.

**Vehicle Parking** - Vehicles should be parked at least 200 feet from a well site with their noses pointing away from the well site. Preferably, vehicles will be located uphill and upwind from the well along the escape route. Vehicle parking areas for each site will be evaluated and located by the company foreman.

**Testing Fluids** - Swabbing and testing fluids containing H<sub>2</sub>S will be passed through a separator to permit flaring of the gas. There will be a continuous pilot light in such instances to completely flare subject gases.

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***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 H<sub>2</sub>S 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 member should also be familiar with all operations. Drills should include a short work period in safety equipment.

### **2.3.3 WORKING CONDITIONS**

Occupational Safety and Health Administration (OSHA) has set guidelines for Permissible Exposure Limits (PEL). This 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 reach these levels. Exposure limits are discussed below.

#### **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/m<sup>3</sup> Total Weighted Average (TWA), accessed via the internet at the following address:

[http://www.osha.gov/dts/chemicalsampling/data/CH\\_246800.html#exposure](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 H<sub>2</sub>S EMERGENCY PROCEDURES**

### **2.4.1 INCIDENT**

H<sub>2</sub>S alarm system activation. Light and siren warnings or personal H<sub>2</sub>S 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 for, then initiate an appropriate search.
  - c. Return to drilling floor and supervise operations

*Tohonadla Field-Wide H<sub>2</sub>S Contingency Plan*

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- 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
      - 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 positions, 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 positions, 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 positions, 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

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*Tohonadla Field-Wide H<sub>2</sub>S Contingency Plan*

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- 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.

#### **2.4.4 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 to 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 gases 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 H<sub>2</sub>S 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 apparatus 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)
- 2 "Safety Briefing Areas", signs, and evacuation route flags
- 1 H<sub>2</sub>S monitors (personal and stationary)
- 1 Alarm system (audio and visual—explosion proof)
- 1 Gas monitor (LEL, VOC, etc.)

Tohonadla Field-Wide H<sub>2</sub>S Contingency Plan**3.2 EMERGENCY PHONE NUMBERS**Navajo Nation Oil & Gas Company Personnel to be Notified:

<b>Name</b>	<b>Position</b>	<b>Contact Number</b>
Wilson Groen	President	Office: (928) 871-4880 Cell: (505) 879-6483 Direct: (928) 871-8501
Wayne Williams	Exploration Manager	Cell: (720) 334-9920 Office: (303) 534-8300
John Hatch	Manager	Cell: (303) 887-3684 Home: (303) 534-8300
Bill McCabe	Manager	Cell: (303) 257-6303

NNOGC Lead Contractor Personnel to be Notified:

<b>Person</b>	<b>Company</b>	<b>Contact Number</b>
John Thompson	Walsh Engineering & Production Corp.	(505) 327-4892
Paul Thompson	Walsh Engineering & Production Corp.	(505) 327-4892
West Hahn	Walsh Engineering & Production Corp.	(505) 327-4892

Safety Company Personnel:

<b>Name</b>	<b>Position</b>	<b>Contact Number</b>
(Name)	(Position)	(Number work) (Number home)

Local Agencies or Organizations:

<b>Local Agency or Organization</b>	<b>Number</b>
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

Tohonadla Field-Wide H<sub>2</sub>S Contingency PlanOther Government Agencies or Organizations:

<b>Other Government Agency or Organization</b>	<b>Number</b>
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
Utah Division of Oil, Gas and Mining (SLC)	(801) 538-5340
During Office Hours	(801) 243-9466
After Hours	
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)	(970) 259-6247
- Heli NM (Albuquerque)	(866) 995 1058
Blanding Air Ambulance	(800) 742-8787
Classic Aviation	(800)-444-9220 Ext. 5

Tohonadla Field-Wide H<sub>2</sub>S Contingency PlanResidents within 2 miles of proposed NNOGC wells in the Tohonadla Field:

There are 22 homes and 1 NN Headstart within 2 miles of the Tohonadla Field (Leases 14-20-603-229 and 14-20-603-270). There are two separate houses (Rita & Benny Stash and Ken Black) closest to NNOGC's proposed wells in the Tohonadla Field, each being ~680 feet west of two different wells, the 2 Bravo and 2G respectively (See Figure 3 and large format H<sub>2</sub>S Contingency Plan Map attached). The table below provides a list of all residents and the NN Headstart, their addresses, phone numbers, and known locations in latitude and longitude (NAD 83).

Name	Address	Number	Latitude	Longitude
Samuel Buck	PO Box 494 Bluff, UT 84512	(435) 444-9281	N 37°11.073	W 109°35.239
Eugene Begay	PO Box 393 Bluff, UT 84512	--	N 37°11.110	W 109°35.159
John Yellowman	PO Box 553 Bluff, UT 84512	(505) 701-4422	N 37°11.072	W 109°35.178
		(505) 701-4437		
Benny & Rita Stash	PO Box 257 Bluff, UT 84513	--	N 37°10.425	W 109°34.681
Betty Stash	PO Box 213 Bluff, UT 84514	(435) 419-0863	N 37°10.372	W 109°34.789
Ken Black	PO Box 289 Bluff, UT 84515	(916) 995-6977	N 37°10.187	W 109°34.622
Jerome Benally	PO Box 75 Bluff, UT 84516	(435) 201-1208	N 37°09.673	W 109°34.244
NN Headstart	--	--	N 37°09.425	W 109°34.123
Tammy & Mark Black	PO Box 390 Bluff, UT 84518	(435) 459-1139	N 37°09.670	W 109°33.907
Valerie & Efren Lee	PO Box 366 Bluff, UT 84519	(435) 669-3592	--	--
Leo Blackhorse	PO Box 409 Bluff, UT 84520	(435) 444-0160	N 37°09.359	W 109°34.010
Ophelia Blackhorse	PO Box 586 Bluff, UT 84521	(435) 444-0640	N 37°09.350	W 109°33.992
Tom Tsosie Boy	PO Box 154 Bluff, UT 84522	--	N 37°09.286	W 109°34.385
Leroy Boy	--	--	N 37°09.266	W 109°34.379
Blue House	--	--	N 37°08.652	W 109°34.531
Susan Blackhorse	PO Box 207 Bluff, UT 84525	--	N 37°08.578	W 109°34.545
Pauline Black	--	--	N 37°08.550	W 109°34.561
Tyra Benally	PO Box 447 Bluff, UT 84525	(970) 570-5154	N 37°08.590	W 109°34.496
Mary Benally	PO Box 306 Bluff, UT 84525	(801) 403-6125	N 37°08.565	W 109°34.483
Paul Atcitty	PO Box 348 Bluff, UT 84525	(435) 444-0432	N 37°12.811	W 109°36.886
Charley Bitsoi	PO Box 217 Bluff, UT 84525	(435) 220-9122	N 37°10.259	W 109°30.926
Emary Maryboy	PO Box 356 Bluff, UT 84525	(435) 444-9647	N 37°10.218	W 109°30.811
Ruth Bitsoi	PO Box 267 Bluff, UT 84525	(435) 444-9087	N 37°10.114	W 109°30.746

Tohonadla Field-Wide H<sub>2</sub>S Contingency Plan

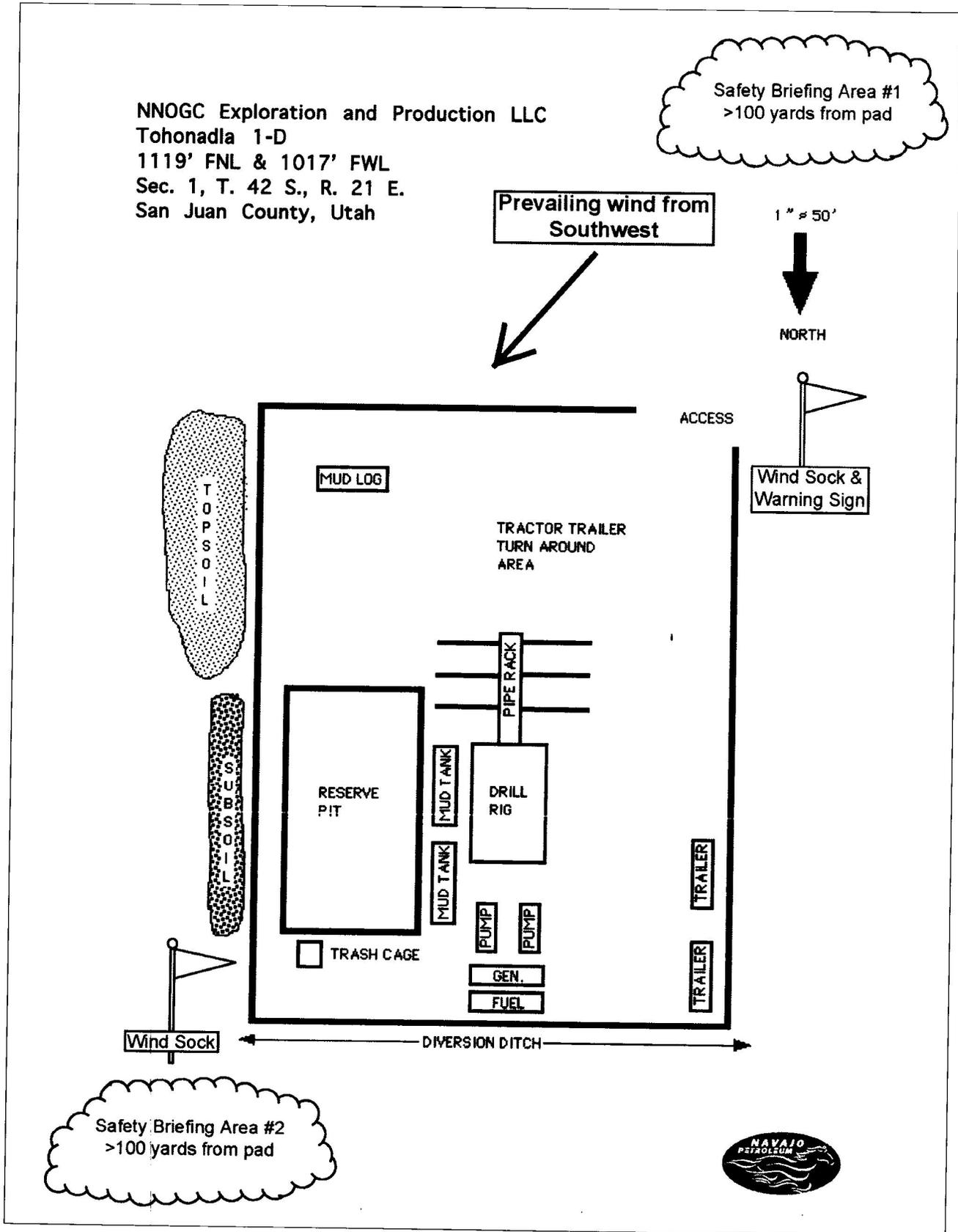


Figure 1. Example well pad diagram from Toho 1D APD with wind socks and Safety Briefing Areas.



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 1420603229	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
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.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO	
<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> TOHONADLA 35-J
<b>2. NAME OF OPERATOR:</b> NNOGC EXPLORATION & PRODUCTION, LLC	<b>9. API NUMBER:</b> 43037500350000
<b>3. ADDRESS OF OPERATOR:</b> 1625 Broadway, Suite 1000 , Denver , CO, 80202	<b>PHONE NUMBER:</b> 303 910-9525 Ext
<b>9. FIELD and POOL or WILDCAT:</b> TOHONADLA	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1754 FSL 2233 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 35 Township: 41.0S Range: 21.0E Meridian: S	
<b>COUNTY:</b> SAN JUAN	
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 10/17/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> 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"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> 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: September 25, 2013

By: 

<b>NAME (PLEASE PRINT)</b> Racheal Dahozy	<b>PHONE NUMBER</b> 928-871-4880	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/20/2013	



**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 43037500350000**

API: 43037500350000

Well Name: TOHONADLA 35-J

Location: 1754 FSL 2233 FEL QTR NWSE SEC 35 TWNP 410S RNG 210E MER S

Company Permit Issued to: NNOGC EXPLORATION & PRODUCTION, LLC

Date Original Permit Issued: 10/17/2012

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: 9/25/2013

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	5. LEASE DESIGNATION AND SERIAL NUMBER: 1420603229
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
2. NAME OF OPERATOR: NNOGC EXPLORATION & PRODUCTION, LLC	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1625 Broadway, Suite 1000 , Denver , CO, 80202	8. WELL NAME and NUMBER: TOHONADLA 35-J
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1754 FSL 2233 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 35 Township: 41.0S Range: 21.0E Meridian: S	9. API NUMBER: 43037500350000
9. FIELD and POOL or WILDCAT: TOHONADLA	COUNTY: SAN JUAN
9. 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: 12/15/2014	<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
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	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
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	<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  
 December 04, 2014  
 Oil, Gas and Mining

Date: \_\_\_\_\_

By: 

NAME (PLEASE PRINT) Racheal Dahozy	PHONE NUMBER 928-871-4880	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 12/2/2014	



**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 43037500350000**

API: 43037500350000

Well Name: TOHONADLA 35-J

Location: 1754 FSL 2233 FEL QTR NWSE SEC 35 TWP 410S RNG 210E MER S

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- 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: 12/2/2014

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*

December 24, 2015

Navajo Nation Oil & Gas Co.  
P.O. Box 4439  
Window Rock, AZ 86515

Re: APDs Rescinded for Navajo Nation Oil & Gas Co, San Juan County

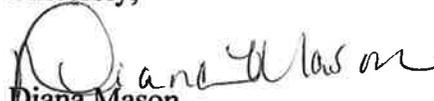
Ladies and Gentlemen:

Enclosed find the list of APDs that is being rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of December 24, 2015.

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

43-037-50027	TOHONADLA 2-G
43-037-50028	TOHONADLA 2-B
43-037-50029	TOHONADLA 1-C
43-037-50030	TOHONADLA 2-BRAVO
43-037-50031	TOHONADLA 1-F
43-037-50032	TOHONADLA 2-H
43-037-50033	TOHONADLA 1-Delta
43-037-50034	TOHONADLA 35-INDIGO
43-037-50035	TOHONADLA 35-J