Form 3160 -3 (April 2004)			FORM APPI OMB No. 10	04-0137		
UNITED STATES DEPARTMENT OF THE	INTERIOR		Expires March 5. Lease Serial No. NO-G-0402-1710	131, 2007		
BUREAU OF LAND MAN	IAGEMENTOOS JUL 27	AM S	6. If Indian, Allotee or	Frihe Name		
APPLICATION FOR PERMIT TO		IVED.	NAVAJO NATIO			
la. Type of work: DRILL REENT						
lb. Type of Well: ✓Oil Well Gas Well Other	Single Zone Multi	ple Zone	8. Lease Name and Well EAGLE 1-G #1	No.		
2. Name of Operator NAVAJO NATION OIL & GAS CO., 1	NC.	-	9. API Well No.	-		
3a. Address P.O. BOX 4439	3b. Phone No. (include area code)	<u> </u>	30-045-3386 10. Field and Pool, or Expl	oretory ~ 1		
WINDOW ROCK, AZ 86515	(928) 871-4880		WC31 N 2061 Pet			
4. Location of Well (Report location clearly and in accordance with ar	ty State requirements.*)	•	11. Sec., T. R. M. or Blk.a			
At surface 2494' PSL & 1368' FEL At proposed prod. zone SAME			6 1-31N-20W NMPI	М		
14. Distance in miles and direction from nearest town or post office* 15 AIR MILES NW OF SHIPROCK, NM	· · · · · · · · · · · · · · · · · · ·		12. County or Parish SAN JUAN	13. State NM		
15. Distance from proposed* location to nearest	16. No. of acres in lease	17. Spacin	g Unit dedicated to this well			
property or lease line, ft. (Also to nearest drig. unit line, if any) 8,066'	12,160	SWN	E 40 AC			
Distance from proposed location* to nearest well, drilling, completed,	19. Proposed Depth	20. BLM/I	BIA Bond No. on file			
applied for, on this lease, ft. 3,743' (EAGLE 6-K 1)	6,750'	BIA F	LB0006712			
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4,908' GL	22. Approximate date work will sta 11/01/2006	rt*	23. Estimated duration 5 WEEKS			
	24. Attachments					
The following, completed in accordance with the requirements of Onshor	re Oil and Gas Order No.1, shall be a	ttached to the	is form:			
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office). 	Item 20 above). Lands, the 5. Operator certific 6. Such other site	ation specific info	ns unless covered by an exis			
	authorized offic	er.				
25. Signature	Name (Printed/Typed) BRIAN WOOD		Date	e 07/24/2006		
Title CONSULTANT	PHONE: (505) 466-8120	FAX	X: (505) 466-9682			
Approved by (Mgnature) Man lee was	Name (Printed/Typed)		Dat	5/16/5		
Title ATU	Office		<u> </u>			
Application approval does not warrant or certify that the applicant hold conduct operations thereon. Conditions of approval, if any, are attached.	s legal or equitable title to those righ	ts in the sub	ject lease which would entitl	e the applicant to		
Fitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crestates any false, fictitious or fraudulent statements or representations as	rime for any person knowingly and voto any matter within its jurisdiction.	villfully to m	ake to any department or ag	ency of the United		
*(Instructions on page 2)						
	i/					
NOTIFY AZTEC OCD 24	HRS					
NOTIFY AZTEC OCD 24	MENT					
PRIOR TO CASING & CE	I FILLIVI.					

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".



State of New Mexico Energy. Minerals & Mining Resources Department OL CONSERVATION DIVISION 2040 South Pacheco Santa Fe. NM 87505

MENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

APA Number Pool Code		Para Pool No	me	
30-045- 3	3863	97611	wc 3/N20WI; Parad	OX OVIKEN STEEL
Property Code		Prope	rty Name	Wall Number
. 36510		EA	GLE 1-G	. 1
OGRID No.		Opero	tor Name	Hevalion .
242841		NOITAN OLAVAN	DL & GAS CO., INC.	4908

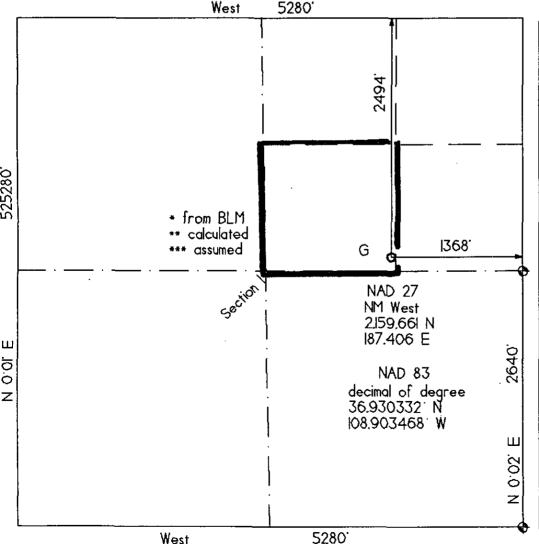
Surface Location

UL or Lot	Sec.	Tup.	Rge.	Lot lon	Feet from>	North/South	Feet from>	East/West	County
G		31 N.	20 W.		2494	NORTH	1368'	EAST	SAN JUAN

Bottom Hole Location If Different From Surface

				4 C00011011 11 D111414111		_	
UL or Lot	Sec. Tup.	Rgø. T	Lot ldn. Fe	et from> North/South	Feet from>	East/West	RCUD MAY18'07
Dedication 40	Joint ?	Consolidation			Orde	er Na.	OIL CONS. DIV. DIST. 3

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



OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Printed Name BRIAN WOOD

Title CONSULTANT

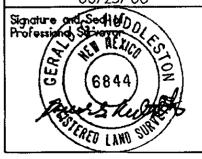
Dale JULY 24, 2006

SURVEYOR CERTIFICATION

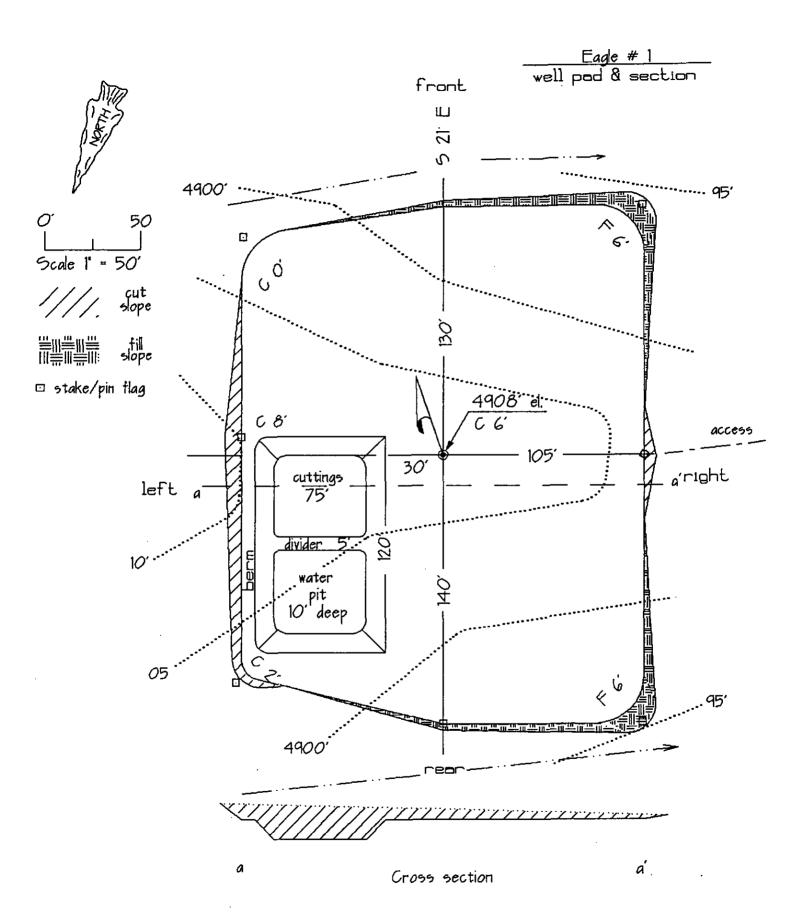
I hereby certify that the well location on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

03/25/06



Submit 3 Copies To Appropriate District Office	State of Ne				Form C-103 May 27, 2004
<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and	d Natural Kes	ources	WELL API NO.	
<u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVA	TION DIVIS	SION	30-045-	33863
District III	1220 South S	t. Francis Dr	5. Indicate Type STATE	of Lease	
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, N	VM 87505	6. State Oil & G		
1220 S. St. Francis Dr., Santa Fe, NM 87505				NO-G-0402-1710)
SUNDRY NOTIC (DO NOT USE THIS FORM FOR PROPOSA		OR PLUG BACK	TO A		r Unit Agreement Name
DIFFERENT RESERVOIR. USE "APPLICA" PROPOSALS.)	.TION FOR PERMIT" (FORM C-	-101) FOR SUCH		EAGLE 1-G	#1
	as Well 🔲 Other			8. Well Number	
2. Name of Operator NAVAJO NATION OIL & GAS CO	INC			 OGRID Numb 242841 	per
3. Address of Operator P. O. BOX 4439, WINDOW ROCK,				10. Pool name or	Wildcat K, ISMAY, AKAH, & BARKER
4. Well Location			_		
Unit Letter: G	2494' FNL & 1	1368' FEL			
Section 1		N Range		NMPM	SAN JUAN County
	11. Elevation (Show wheth	er DR, RKB, R	T, GR, etc.)		
Pit or Below-grade Tank Application Lor	4,908' GL				Achter Carlotte Carlotte
Pit type: DRILLING Depth to Groundwate		îresh water well: >	5,000' Distan	ce from nearest surfac	e water: >100'
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volume			uction Material	
	Appropriate Box to Ir	rdicate Natur	e of Notic	e Report or Of	her Data
	• • •	'		-	
NOTICE OF INT		, DEME		SEQUENT RE	
PERFORM REMEDIAL WORK TEMPORARILY ABANDON	PLUG AND ABANDON CHANGE PLANS	_	DIAL WORK	LING OPNS.□	ALTERING CASING P AND A
PULL OR ALTER CASING	MULTIPLE COMPL	_	G/CEMENT		TANDA
TOLE OF ALTERIOROMA			GI O'LINEITI		
OTHER: DRILLING PIT	<u> </u>	OTHE			
 Describe proposed or complete starting any proposed work). 	ed operations. (Clearly states	te all pertinent o	letails, and g	give pertinent dates	s, including estimated date of
recompletion.	SEE ROLL 1103. 101 William	tiple complete	ms. rituon	wendore diagram	or proposed completion of
I hereby certify that the information ab has been/will be constructed or closed accord	oye is true and complete to ing to NMOCD guidelines ☑, a	the best of my general permit [knowledge a or an (attach	and belief. I further ed) alternative OCD-s	certify that any pit or below-grade tan approved plan .
SIGNATURE SIGNATURE	TITI	LE: CONSULT	ANT	DATE: JUI	LY 24, 2006
Type or print name: BRIAN WOOD For State Use Only	E-mail address: bria	<u> </u>		-	o.: (505) 466-8120
APPROVED BY:	JA / TITI	BEBRIX OIT &	GAS INSP	ECTOR, DIST. #3	DATE MAY 18 2007
Conditions of Approval (if any):	~ // //	ندرندر	101	VIDI. #3	DAIL TO THE TOTAL TOTAL



Drilling Program

1. FORMATION TOPS

The estimated tops of important geologic markers are:

Formation Name	GL Depth	KB Depth	<u>Elevation</u>
Mancos Shale	0'	15'	+4,908'
Dakota Sandstone	365'	380'	+4,543'
Morrison Burro Canyon	425'	440'	+4,483'
Chinle Shale	2,520'	2,535'	+2,388'
DeChelly	3,385'	3,400'	+1,523'
Organ Rock	3,648'	3,663'	+1,260'
Cutler Formation	4,160'	4,175'	+748'
Honaker Trail	5,130'	5,145'	-87'
Paradox	5,570'	5,585'	-662'
Ismay	5,990'	6,005'	-1,082'
Desert Creek	6,130'	6,145'	-1,222'
Akah	6,320'	6,335'	-1,412'
Barker Creek	6,470'	6,485'	-1,562'
Total Depth (TD)	6,750'	6,765'	-1,842'

2. NOTABLE ZONES

Desert Creek and Ismay oil production is the primary goal. Akah and Barker Creek oil production is the secondary goal. Oil and gas shows which appear to the well site 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.



3. PRESSURE CONTROL

The drilling contract has not yet been awarded, thus the exact BOP model to be used is not yet known. A typical 3,000 psi model is on PAGE 3. An 8-5/8" x 11" 3,000 psi double ram BOP system with a choke manifold and mud cross will be tested to 300 psi and then to 3,000 psi. Upper and lower Kelly cocks with valve handle and subs to fit all drill string connections which are in use will be available on the rig floor.

Tests will be run when:

- 1) installed
- 2) anytime a pressure seal is broken (test only affected equipment)
- 3) at least once every 20 days
- 4) blind & pipe rams will be activated each trip, but no more than daily

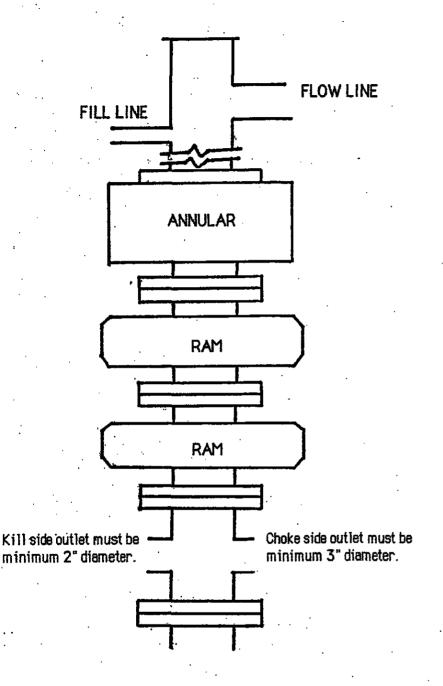
BOP systems will be consistent with API RP 53. Blowout preventers will be installed and tested before drilling surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated daily to ensure good mechanical working order and this inspection recorded on the daily drilling report. Preventers and casing will be pressure tested before drilling casing cement plugs. Maximum expected bottom hole pressure will be ≈2,900 psi.

4. CASING & CEMENT

<u>Hole Size</u>	<u>O. D.</u>	Pounds/Foot	<u>Grade</u>	<u>Age</u>	<u>Connections</u>	<u>Depth Set</u>
12-1/4"	8-5/8"	24	K-55	New	ST&C	500'
7-7/8"	5-1/2"	15.5	K-55	New	ST&C	6,750'

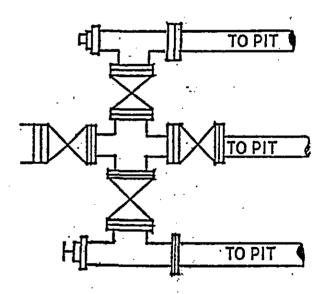
Surface casing will be cemented to the surface with ≈ 371 sacks (≈ 427 cubic feet) Class G with 2% CaCl₂ + 1/4 pound per sack cello flake. Weight = 15.8 pounds per gallon. Yield = 1.15 cubic feet per sack. Volume calculated at 10% excess over annular volume.





TYPICAL BOP STACK & CHOKE MANIFOLD

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



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

Upper kelly cock will have handle available.

Safety valve and subs will fit all drill string connections in use.

All BOPE connections subjected to well pressure will be flanged, welded, or clamped.



A stage collar will be set at $\approx 3,500$ '. Weight on cement at least four hours between stages.

First stage of the production casing will be cemented from TD to $\approx 3,500$ '. Lead with ≈ 250 sacks (≈ 462 cubic feet) Class G 65:35 poz with 6% gel + 1/4 pound per sack cello flake. Weight = 12.7 pounds per gallon. Yield = 1.85 cubic feet per sack. Tail with ≈ 220 sacks (≈ 253 cubic feet) Class G cement with 2% CaCl₂. Weight = 15.8 pounds per gallon. Yield = 1.15 cubic feet per sack. Total first stage cement = 715 cubic feet ($\geq 25\%$ excess in open hole).

Second stage will be cemented from $\approx 3,500$ ' to the surface. Lead with ≈ 355 sacks (≈ 657 cubic feet) Class G 65:35 poz with 6% gel + 1/4 pound per sack cello flake. Weight = 12.7 pounds per gallon. yield = 1.85 cubic feet per sack. Tail with ≈ 100 sacks (≈ 115 cubic feet) Class G with 2% CaCl₂. Weight = 15.8 pounds per gallon. Yield = 1.15 cubic feet per sack. Total second stage cement = 772 cubic feet ($\geq 25\%$ excess in open hole).

5. MUD PROGRAM

Fresh water, gel, lime, and native solids with a weight of 8.3 pounds per gallon will be used from the surface to $\approx 3,000$ '. Gel/lime sweeps will be used as necessary for hole cleaning.

A low solids, non-dispersed polymer system will be used from $\approx 3,000$ ' to TD. Weight = 8.6 to 9.5 pounds per gallon. Gel/lime sweeps will be used as needed to clean the hole. Fluid loss will be maintained at 15 - 20 cc. Fluid loss will be reduced to ≤ 15 cc before coring, logging or drill stem tests.

A two person mud logging unit will be on site from \approx 4,000' to TD. Cuttings will be collected every \approx 30' to the top of the Paradox or \approx 5,500'. After that point, cuttings will be collected every \approx 10' to TD.



6. CORES, LOGS, & TESTS

A conventional core may be cut in the Desert Creek or at strong shows. Side wall cores may also be cut. 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.

7. DOWN HOLE CONDITIONS

No abnormal temperatures or abnormal pressures are expected. No hydrogen sulfide has been found within a \approx 7 mile radius.

8. OTHER INFORMATION

The anticipated spud date is November 1, 2006. It is expected it will take 3 weeks to drill and 2 weeks to complete the well.

