RECEIVED

FEB - 9 2010

OCD-ARTESIA

ATS-08-125 Secretary's Potesh

Form 3160-3 (August 2007) NMOCD ARTESIAUNITED STATES				OMB	APPROVEI No 1004-0137 July 31, 2010	1	BU
DEPARTMENT OF THE BUREAU OF LAND MAN				5 Lease Senai No.	1897	QB	ØH
APPLICATION FOR PERMIT TO				6. If Indian, Allote	e or Tribe	Vame	
la. Type of work: DRILL REENT	ER			7 If Unit or CA Ag NMNM70993X	reement, Na	me and N	Īo.
lb. Type of Well: On Well Gas Well Other	✓s	ingle Zone Multi	ple Zone	8. Lease Name and NBQU #52	Well No	331	27
Name of Operator Arena Resources Inc	122	0420>		9 API Well No. 30-0/	5-38	819,9	L.
3a. Address		0. (include area Code)		10. Field and Pool, or		~	300
2130 W. Bender Hobbs, NM 88240	575-738-1			Benson Queen Gr			
4. Location of Well (Report, Igcation, clearly and in accordance with an				11. Sec., T. R. M. or	Blk.and Sur	vey or Ar	ea
At surface 328 FNL 1175 FEL 1800 At proposed prod. zone 428 FNL 1175 FEL 110 SW 97	UN 124/09 LL	NORTHOD LOCATION	OX	Sec. 33 T18S, R	30E		
14 Distance in miles and direction from nearest town or post office* 7.85 to Loco Hills			V	12 County or Parish Eddy		13. State NM	;
15 Distance from proposed* location to nearest	16. No. of a	acres in lease	17. Spacin	g Unit dedicated to this	well		
property or lease line, ft (Also to nearest drig. unit line, if any)	1800		40				
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft 819'	19. Propose		ì	BIA Bond No. on file			
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	1	mate date work will sta	rt*	23. Estimated duration	on		
3499' (at ppington	09/15/200			10 days			
	24. Attac						
The following, completed in accordance with the requirements of Onshor	e Oil and Gas	Order No.1, must be at	tached to thi	s form:			
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System I 	Lands, the	4. Bond to cover the litem 20 above).5. Operator certification	-	ns unless covered by ar	n existing bo	ond on fil	le (see
SUPO must be filed with the appropriate Forest Service Office)		6. Such other site: BLM.	specific info	ormation and/or plans a	s may be re	quired by	the
25. Signature	i	(Printed/Typed) en Robinson			Date 08/12/2	008	
Title Compliance Analyst					1		
Approved by (Signature) /s/ Linda S.C. Rundell	Name	(Printed/Typed)			Dat FEB	5	2010
STATE DIRECTOR	Office	NM	STAT	E OFFICE	1		
Application approval does not warrant or certify that the applicant holds conduct operations thereon. Conditions of approval, if any, are attached.	legal or equit	able title to those right	s in the subj)

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CAPITAN CONTROLLED WATER BASIN

(Continued on page 2)

SEE ATTACHED FUR CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

*(Instructions on page 2)

State of New Mexico

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Form C-102 Revised October 12, 2005 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease ~ 3 Copies

DISTRICT IV WELL LOCATION AND ACREAGE DEDICATION PLAT ☐ AMENDED REPORT 1220 S. ST. FRANCIS DR., SANTA FE, NM 67505 Pool Code API Number -015-38194 5300 Property Code Property Name Well Number NBQU 52 33129 OGRID No. Operator Name Elevation. ARENA RESOURCES, INC. 3501" 220420 Surface Location UL or lot No. Section Township Lot Idn Feet from the North/South line Feet from the East/West line County Range В 33 18-S 30-E 125 NORTH 1800 **EAST EDDY** Bottom Hole Location If Different From Surface Feet from the North/South line UL or lot No. Section Range Feet from the East/West line Township County Joint or Infill Consolidation Code Dedicated Acres Order No. NO ALLOWABLE WILL BE 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 herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. SEC 28 SEC. 33 125' 1800 SEE DETAIL Signature CLLEEN KOBINSON Printed Name SURVEYOR CERTIFICATION I hereby certify that the well location shown 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. **DETAIL** GEODETIC COORDINATES 3500.9 3489.6 NAD 27 NME ALC EVOLUTIONS Y=622462.7 N X=610606.5 E TEMBER 9: LAT.=32.710732* N 3499 4 3499.2 LONG. = 103.973732° W Date Surveyed Signature & Certificate No. GARY EIDSON 12841 RONALD J. EIDSON 3239

InactiveWellList Page + of 1

Inactive Well List

Total Well Count: 307 Inactive Well Count: 8 Since: 4/4/2009 Printed On: Monday, June 28 2010

District	API	Well	ULSTR	OCD Unit	OGRID	Operator	Lease Type	Well Type	Last Production	Formation/Notes	Status	TA Exp Date
2	30-015-23371	BENSON DEEP AAS FEDERAL #001	E-34-18S 30E	Ε	220120	ARENA RESOURCES, INC	F	0	03/2007			
1	30-025-22699	HUMPHREY QUEEN UNII #019	P-3 -25S-37F	ŀ	220420	ARFNA RESOURCES, INC	Þ	I	09/1994	INT TO PA 06/09/2010	ţ	9/22/2009
1	30-025-23183	HUMPHREY QUEEN UNIT #020	M-3 -255-37E	†1	220420	ARENA RESOURCES, INC	P	1	09/1994	7 RVRS-QN 05/05/09 TA, TA EXP 05/08/2010	T	5/8/2010
2	30 015 10087	NORTH BENSON QUEEN UNII #016	1-28 18S-30E	1	220420	ARENA RESOURCES, INC	Γ	1	08/2008			
2	30-015-10229	NORTH BENSON QUEEN UNIT #033	E 33-185 30E	В	220420	ARENA RESOURCES, INC	F	1	08/2008			
2	30-015-26345	NORTH BENSON QUEEN UNIT #046	O-28-18S-30L	0	220420	ARENA RESOURCES, INC	F	0	04/2008		T	2/14/2007
1	30-025-09135	SEVEN RIVERS QUEEN UNIT #032	J-34-72S-36E	j	220120	ARENA RESOURCES, INC	P	Ĭ	05/1992	INT TO PA 04/13/2010	T	3/22/2010
1	30-025 12049	SOUTH LEONARD UNIT #015	M /41 205 37E	£1	220420	ARENA RESOURCES, INC	ł	1	04/2008	05/10/10 INT TO PA		

WHERE Ogrid 220420, County All, District.All, Township:All, Range.All, Section.All, Production(months):15, Excludes Wells Under ACOI, Excludes Wells in Approved TA Period

Inactive Well Additional Financial Assurance Report 220420 ARENA RESOURCES, INC Total Well Count: 307 Printed On: Monday, June 28 2010

Well Name	Lea se Typ e	ULSTR	OCD Unit Lett er	API	We II Ty pe	Last Prod/I nj	Inactive Additional Bond Due	Measu red Depth	ed Bond Amou nt	Bond Requir ed Now		In Violati on	
SEVEN RIVERS QUEEN UNIT #062	Р	K-34-22S- 36E	K	30-025- 28683	0	02/20 08	03/01/2 010	3903	8903	Υ	0	Y	

INFORMATION SHEET FOR PART 5.9

Oil Conservation Division (OCD) Rule 19.15.5.9 NMAC, commonly known as "Part 5.9," requires operators to meet certain minimum compliance standards for the wells they already operate before they can drill, acquire, produce or inject into additional wells. If an operator is out of compliance as defined by Part 5.9, the OCD

- May deny registration by the operator or certain related entities. See 19.15.9.8(B) NMAC.
- May deny applications for change of operator that would transfer wells to the operator. See 19 15.9.9(C) NMAC.
- Must deny injection permits See 19.15.26.8(A) NMAC.
- May deny APDs. See 19.15.14.10(A) NMAC.
- Must deny allowable and authorizations to transport. See 19.15.16.19(A) NMAC.

In addition, the OCD may, after notice and hearing, revoke previously issued injection permits if the operator is out of compliance with Part 5.9. *See* 19.15.26.8(A) NMAC.

To stay in compliance with Part 5.9, an operator must:

- Keep current with the financial assurance requirements for well plugging. See 19.15.5.9(A)(1) NMAC.
- Comply with orders requiring corrective action. See 19.15.5.9(A)(2) NMAC.
- Pay properly assessed penalties. See 19.15.5.9(A)(3) NMAC.
- Have no more than a certain number of wells out of compliance with the inactive well rule. See 19 15.5.9(A)(4) NMAC.

FINANCIAL ASSURANCE REQUIREMENTS: The OCD's financial assurance requirements for well plugging are set out in 19.15.8.9 NMAC. The OCD requires all state or fee wells to be covered by a financial assurance. The OCD does not require financial assurances for Federal or Indian wells.

The operator must <u>either</u> post a blanket financial assurance in the amount of \$50,000 to cover its state or fee wells, <u>or</u> post single-well financial assurances for each state or fee well in the amount set by the rule.

If the operator chooses to post a blanket financial assurance, it must <u>also</u> post single-well financial assurances for each state or fee well that has been inactive for more than two years that has not been plugged <u>and released</u>. Note that a single-well financial assurance is required even if the well is on approved temporary abandonment status, and even if the wellbore of the well has been plugged. To check compliance with this requirement, go to <u>www.emnrd state.nm.us/OCD</u>, OCD Online, E-Permitting, Financial Assurance. Insert the operator name or OGRID, and hit "Get Report." The report will list <u>all</u> the wells for that operator that have not been plugged and released. Wells currently in violation of the single-well financial assurance requirement will have a "Y" in the far right column, titled "In Violation."

For information on how to post financial assurances, please contact OCD Financial Assurance Administrator Dorothy Phillips, (505) 476-3461, Dorothy Phillips@state.nm.us.

CORRECTIVE ACTION REQUIREMENTS: If an operator fails to take an action required by a hearing order or an agreed compliance order, the OCD may go to hearing to obtain a formal order finding the operator "in violation of an order requiring corrective action." Once such an order is issued and becomes final, the operator will be out of compliance with Part 5.9 until that order is lifted. To lift the order, the operator must

complete the corrective action required, and file a motion to declare the order satisfied. The Oil Conservation Division or the Oil Conservation Commission, as appropriate, may grant the motion without hearing or may set the matter for hearing.

UNPAID PENALTIES: An operator with a penalty assessment unpaid more than 70 days after issuance of the order assessing the penalty will be in violation of Part 5.9 until that penalty is paid. Penalties may be assessed by the district court, or may be agreed to by the operator under an agreed compliance order entered into to resolve a compliance action.

INACTIVE WELLS: The inactive well rule, 19.15.25.8 NMAC, requires any well that has been inactive for a period of more than 15 months to be plugged and abandoned, placed on approved temporary abandonment status, or returned to production or other beneficial use. An operator will be out of compliance with Part 5.9 if it has too many wells in violation of the inactive well rule; the number of non-compliant wells allowed depends on the size of the operator. Under Part 5.9, if an operator operates:

- 1 well, it may have no wells out of compliance;
- 2 or 3 wells, it may have no more than 1 well out of compliance;
- 4 to 100 wells, it may have no more than 2 wells out of compliance;
- 101 to 500 wells, it may have no more than 5 wells out of compliance;
- 501 to 1000 wells, it may have no more than 7 wells out of compliance, and
- 1000 or more wells, it may have no more than 10 wells out of compliance.

To check compliance with 5.9 as to inactive wells, go to www.emnrd.state.nm.us/OCD, OCD Online, E-Permitting, Inactive Well List. Do not change the default search terms. Insert the operator name or OGRID, and hit "Get Report" The report will identify the wells that -- according to OCD records -- have been inactive for 15 months, are not on approved temporary abandonment status, do not have a plugged wellbore, and are not subject to an inactive well agreed compliance order. For purposes of Part 5.9, if a well appears on this list, there is a rebuttable presumption that the well is in violation of the inactive well rule. The heading of the list will also identify the total well count for the operator, and the total number of non-compliant inactive wells, so you can determine if the operator is in compliance with Part 5.9.

If your company has more non-compliant wells than allowed under Part 5.9, you will need to return wells to compliance by returning them to production or other beneficial use, placing them on approved temporary abandonment status, or plugging the wellbore. In some limited circumstances, the OCD may be willing to enter into an inactive well agreed compliance order setting a schedule for returning the wells to compliance and imposing sanctions if that schedule is not met. Wells covered by an inactive well agreed compliance order are not included when calculating Part 5.9 compliance. For information on inactive well agreed compliance orders, contact OCD Attorney Sonny Swazo at (505) 476-3463, Sonny.swazo@state.nm.us.

Inactive Well Additional Financial Assurance Report 220420 ARENA RESOURCES, INC Total Well Count: 307 Printed On: Monday, June 28 2010

n ·	Well E	Lease		OCD		Well	Last	Inactive Additional Bond	Measured	Required Bond	Bond Required	Bond In	In
roperty	BENSON DEEP AAS FEDERAL #001	Type F	E-34-18S-30E	Letter E	30-015-23371	Type	03/2007	Due	12050	Amount	Now	Place	Violation
	CAL MON STATE #001	S	2-19-16S-29E	E	30-015-25817	0	04/2010	05/01/2012	1678	6678		0	
104501	CAL MON STATE #002	s	3-19-16S-29E	L	30-015-25871	0	05/2010	06/01/2012	1804	6804		0	
05481	CORBIN 35 STATE #001	S	E-35-17S-33E	Ε	30-025-25763	s	03/2010	04/01/2012	8925	13925		0	
,05,01	CORBIN 35 STATE #002	S	E-35-17S-33E	E	30-025-32733	0	05/2010	06/01/2012	4680	9680		0	
300385	EAST HOBBS SAN ANDRES UNIT #109	P	H-30-18S-39E	Н	30-025-07954	I	05/2010	06/01/2012	4470	9470		0	
	EAST HOBBS SAN ANDRES UNIT #207	P	H-30-18S-39E	н	30-025-37814	0	05/2010	06/01/2012	4613	9613		0	
	EAST HOBBS SAN ANDRES UNIT #210	P	H-30-18S-39E	н	30-025-39222	0	05/2010	06/01/2012	4615	9615		0	
	EAST HOBBS SAN ANDRES UNIT #307	Р	J-30-18S-39E	J	30-025-07956	0	05/2010	06/01/2012	4445	9445		0	
	EAST HOBBS SAN ANDRES UNIT #308	P	I-30-18S-39E	I	30-025-36896	0	05/2010	06/01/2012	4615	9615		0	
	EAST HOBBS SAN ANDRES UNIT #310	P	I-30-18S-39E	I	30-025-36833	0	05/2010	06/01/2012	4655	9655		0	
	EAST HOBBS SAN ANDRES UNIT #406	P	J-30-18S-39E	j	30-025-24338	0	05/2010	06/01/2012	4800	9800		0	
	EAST HOBBS SAN ANDRES UNIT #407	Р	I-30-18S-39E	I	30-025-37815	0	05/2010	06/01/2012	4610	9610		0	
	EAST HOBBS SAN ANDRES UNIT #408	Р	I-30-18S-39E	I	30-025-34578	0	05/2010	06/01/2012	4615	9615		0	
	EAST HOBBS SAN ANDRES UNIT #409	Р	I-30-18S-39E	I	30-025-07947	1	05/2010	06/01/2012	4463	9463		0	
	EAST HOBBS SAN ANDRES UNIT #412	Р	L-29-18S-39E	L	30-025-07944	0	05/2010	06/01/2012	4698	9698		0	
	EAST HOBBS SAN ANDRES UNIT #502	Р	L-30-18S-39E	L	30-025-07948	I	05/2010	06/01/2012	4462	9462		0	
	EAST HOBBS SAN ANDRES UNIT #504	Р	K-30-18S-39E	К	30-025-34610	I	05/2010	06/01/2012	4625	9625		0	
	EAST HOBBS SAN ANDRES UNIT #505	Р	J-30-18S-39E	J	30-025-36832	0	05/2010	06/01/2012	4615	9615		0	
	EAST HOBBS SAN ANDRES UNIT #507	Р	J-30-18S-39E	J	30-025-34513	0	05/2010	06/01/2012	4623	9623		0	
	EAST HOBBS SAN ANDRES UNIT #508	Р	I-30-18S-39E	I	30-025-37528	0	05/2010	06/01/2012	4610	9610		0	
	EAST HOBBS SAN ANDRES UNIT #510	Р	I-30-18S-39E	I	30-025-34787	0	05/2010	06/01/2012	4627	9627		0	
	EAST HOBBS SAN ANDRES UNIT #511	Р	L-29-18S-39E	L	30-025-37816	0	05/2010	06/01/2012	4610	9610		0	
	EAST HOBBS SAN ANDRES UNIT #513	S	L-29~18S-39E	L	30-025-39197	0	05/2010	06/01/2012	4610	9610		0	
	EAST HOBBS SAN ANDRES UNIT #515	Р	K-29-18S-39E	К	30-025-07941	0	05/2010	06/01/2012	4528	9528		0	
	EAST HOBBS SAN ANDRES UNIT #604	Р	N-30-18S-39E	N	30-025-34012	0	05/2010	06/01/2012	4716	9716		0	
	EAST HOBBS SAN ANDRES UNIT #605	Р	O-30-18S-39E	0	30-025-37817	0	05/2010	06/01/2012	4564	9564		0	
	EAST HOBBS SAN ANDRES UNIT #606	Р	O-30-18S-39E	0	30-025-34612	0	05/2010	06/01/2012	4615	9615		0	
	EAST HOBBS SAN ANDRES UNIT #607	Р	O-30-18S-39E	0	30-025-37818	0	05/2010	06/01/2012	4610	9610		0	
	EAST HOBBS SAN ANDRES UNIT #608	Р	P-30-18S-39E	Р	30-025-36831	0	05/2010	06/01/2012	4620	9620		0	
	EAST HOBBS SAN ANDRES UNIT #609	Р	P-30-18S-39E	Р	30-025-34996	O	05/2010	06/01/2012	4626	9626		0	
	EAST HOBBS SAN ANDRES UNIT #610	Р	P-30-18S-39E	Р	30-025-29057	0	05/2010	06/01/2012	7961	12961		0	
	EAST HOBBS SAN ANDRES UNIT #611	Р	M-29-185-39E	М	30-025-34013	0	05/2010	06/01/2012	4710	9710		0	
	EAST HOBBS SAN ANDRES UNIT #702	Р	M-30-18S-39E	М	30-025-07949	0	05/2010	06/01/2012	4462	9462		0	
	EAST HOBBS SAN ANDRES UNIT #706	Р	O-30-18S-39E	0	30-025-07957	0	05/2010	06/01/2012	4456	9456		0	
	EAST HOBBS SAN ANDRES UNIT #707	Р	O-30-18S-39E	0	30-025-36895	0	05/2010	06/01/2012	4616	9616		0	
	EAST HOBBS SAN ANDRES UNIT #709	Ρ	P-30-18S-39E	Р	30-025-07958	0	05/2010	06/01/2012	4459	9459		0	
	EAST HOBBS SAN ANDRES UNIT #711	Р	M-29-18S-39E	М	30-025-36893	0	05/2010	06/01/2012	4620	9620		0	
	EAST HOBBS SAN ANDRES UNIT #715	Р	N-29-18S-39E	N	30-025-07943	I	05/2010	06/01/2012	4467	9467		0	
	EAST HOBBS SAN ANDRES UNIT #808	Р	P-30-18S-39E	Þ	30-025-37527	0	05/2010	06/01/2012	4615	9615		0	
	EAST HOBBS SAN ANDRES UNIT #813	S	N-29-18S-39E	N	30-025-39198	0	05/2010	06/01/2012	4615	9615		0	
	EAST HOBBS SAN ANDRES UNIT #905	P	B-31-18S-39E	В	30-025-07960	1	05/2010	06/01/2012	4452	9452		0	
	EAST HOBBS SAN ANDRES UNIT #910	Р	A-31-18S-39E	Α	30-025-07961	0	05/2010	06/01/2012	4459	9459		0	
	EAST HOBBS SAN ANDRES UNIT #911	S	D-32-18S-39E	D	30-025-07965	0	05/2010	06/01/2012	4468	9468		0	
	EAST HOBBS SAN ANDRES UNIT #914	S	C-32-18S-39E	C	30-025-07964	0	05/2010	06/01/2012	4470	9470		0	
	EAST HOBBS SAN ANDRES UNIT #999	Р	A-31-18S-39E	Α	30-025-39209	0	04/2009	05/01/2011	4620	9620		0	
03879	FEDERAL E #002	F	C-31-18S-31E	C	30-015-05654	0	05/2010		3650			0	
03880	FEDERAL F #001	F	A-31-18S-31E	Α	30-015-05655	0	05/2010		3695			0	
	FÉDERAL F #002	F	B-31-18S-31E	В	30-015-05656		05/2010		3656			0	
05482	HALE STATE #001	S	2-31-17S-34E	£	30-025-02154		05/2010	06/01/2012	4773	9773		0	
	HALE STATE #002	S	1-31-17S-34E	D	30-025-23426		05/2010	06/01/2012	4678	9678		0	
	HALE STATE #004	S	I-31-17S-34E	I	30-025-39785		05/2010	06/01/2012	4938	9938		0	
04314	HUMPHREY QUEEN UNIT #001	Р	1-4 -25S-37E	Α	30-025-11445		05/2010		3545	8545		0	
	HUMPHREY QUEEN UNIT #002	Р	4-3 -25S-37E	D	30-025-11422		05/2010	06/01/2012	3396	8396		0	
	HUMPHREY QUEEN UNIT #003	₽	3-3 -25S-37E	С	30-025-11421		05/2010	06/01/2012	3474	8474		0	
	HUMPHREY QUEEN UNIT #005	F	1-3 -25S-37E	Α	30-025-11431		05/2010		3481			0	
	HUMPHREY QUEEN UNIT #007	Р	H-4 -25S-37E	Н	30-025-11446		05/2010	06/01/2012	3496	8496		0	
	HUMPHREY QUEEN UNIT #010	Р	G-3 -25S-37E	G	30-025-11424	0	05/2010	06/01/2012	3435	8435		0	
	HUMPHREY QUEEN UNIT #011	F	H-3 -25S-37E	н	30-025-11432	0	05/2010		3480			0	
	HUMPHREY QUEEN UNIT #012	F	H-3 -25S-37E	н	30-025-23184	0	05/2010		3515			0	
		Р	L-3 -25S-37E	L	30-025-22243	_	05/2010	06/01/2012	3552	8552		0	

						_						
	HUMPHREY QUEEN UNIT #016	Р	K-3 -25S-37E	K	30-025-20612		05/2010	06/01/2012	3546	8546		0
	HUMPHREY QUEEN UNIT #017	Р	J-3 -25S-37E	J	30-025-11426	I	05/2010	06/01/2012	3420	8420		0
	HUMPHREY QUEEN UNIT #018	F	I-3 -25S-37E	I	30-025-11433	0	05/2010		3480			0
	HUMPHREY QUEEN UNIT #019	Р	P-3 -25S-37E	Р	30-025-22699	I	09/1994	10/01/1996	3475	8475	Υ	8475
	HUMPHREY QUEEN UNIT #020	Р	M-3 -25S-37E	М	30-025-23183	I	09/1994	10/01/1996	3720	8720	Υ	8720
	HUMPHREY QUEEN UNIT #021	Р	M-3 -25S-37E	М	30-025-21196	0	05/2010	06/01/2012	3554	8554		8554
	HUMPHREY QUEEN UNIT #022	Р	N-3 -25S-37E	N	30-025-11430	0	05/2010	06/01/2012	3573	8573		0
	HUMPHREY QUEEN UNIT #023	Ρ	O-3 -25S-37E	0	30-025-22751	I	05/2010	06/01/2012	3535	8535		0
	HUMPHREY QUEEN UNIT #024	F	O-3 -25S-37E	0	30-025-11427	0	05/2010		3450			0
	HUMPHREY QUEEN UNIT #025	F	P-3 -25S-37E	Р	30-025-11434	0	05/2010		3480			0
	HUMPHREY QUEEN UNIT #027	Р	H-4 -25S-37E	Н		I	05/2010	06/01/2012	3690	8690		0
	HUMPHREY QUEEN UNIT #028	Р	J-3 -25S-37E	j.		0	05/2010	06/01/2012	3600	8600		0
	HUMPHREY QUEEN UNIT #029	P	3-3 -25S-37E		30-025-23968	0		06/01/2012				0
				С			05/2010		3550	8550		
	HUMPHREY QUEEN UNIT #030	P	E-3 -25S-37E	E	30-025-28012		05/2010	06/01/2012	3850	8850		0
	HUMPHREY QUEEN UNIT #031	Р	N-3 -25S-37E	N		I	05/2010	06/01/2012	3640	8640		8640
	HUMPHREY QUEEN UNIT #032	Р	E-3 -25S-37E	Е	30-025-39216				Unknown			0
	HUMPHREY QUEEN UNIT #033	Р	4-3 -25S-37E	D	30-025-39217	0			Unknown			0
	HUMPHREY QUEEN UNIT #034	Р	3-3 -25S-37E	С	30-025-39218	0			Unknown			0
	HUMPHREY QUEEN UNIT #035	Р	G-3 -25S-37E	G	30-025-39219	О			Unknown			0
304315	LANGLIE MATTIX QUEEN UNIT #002	Р	L-11-25S-37E	L	30-025-23298	I	03/1994	04/01/1996	3480	8480	Υ	8480
	LANGLIE MATTIX QUEEN UNIT #003	Р	M-10-25S-37E	М	30-025-23306	I	04/1996	05/01/1998	3650	8650	Υ	8650
	LANGLIE MATTIX QUEEN UNIT #004	Р	N-10-25S-37E	N	30-025-11522	0	05/2010	06/01/2012	3460	8460		8460
	LANGLIE MATTIX QUEEN UNIT #005	Р	O-10-25S-37E	0	30-025-11521		05/2010	06/01/2012	3416	8416		0
	LANGLIE MATTIX QUEEN UNIT #006	P	O-10-25S-37E	0	30-025-11517		05/2010	06/01/2012	3395	8395		0
	LANGLIE MATTIX QUEEN UNIT #007	Р	P-10-25S-37E	Р	30-025-11518		05/2010	06/01/2012	3540	8540		0
	LANGLIE MATTIX QUEEN UNIT #008	P	M-11-25S-37E	М		0	05/2010	06/01/2012	3409	8409		8409
												0409
	LANGLIE MATTIX QUEEN UNIT #009	P	P-10-25S-37E	P	30-025-23863		05/2010	06/01/2012	3550	8550		
	LANGLIE MATTIX QUEEN UNIT #010	Р	C-15-25S-37E	С	30-025-11603		05/2010	06/01/2012	3405	8405		0
	LANGLIE MATTIX QUEEN UNIT #011	Р	B-15-25S-37E	В		I	05/2010	06/01/2012	3624	8624		0
	LANGLIE MATTIX QUEEN UNIT #012	Р	A-15-25S-37E	Α	30-025-11609	0	05/2010	06/01/2012	3410	8410		0
	LANGLIE MATTIX QUEEN UNIT #013	Р	D-14-25S-37E	D	30-025-11580	I	05/2010	06/01/2012	3520	8520		0
	LANGLIE MATTIX QUEEN UNIT #015	F	F-15-25S-37E	F	30-025-21960	I	08/1996		3700			0
	LANGLIE MATTIX QUEEN UNIT #019	Р	J-15-25S-37E	J	30-025-11601	I	05/2010	06/01/2012	3560	8560		0
	LANGLIE MATTIX QUEEN UNIT #020	P	I-15-25S-37E	I	30-025-11599	0	05/2010	06/01/2012	3389	8389		0
	LANGLIE MATTIX QUEEN UNIT #022	F	N-15-25S-37E	N	30-025-23186	I	05/2010		3650			0
	LANGLIE MATTIX QUEEN UNIT #024	Р	O-15-25S-37E	0	30-025-11600	0	05/2010	06/01/2012	3375	8375		0
	LANGLIE MATTIX QUEEN UNIT #027	F	M-14-25S-37E	М		I	05/2010	00,01,2012	3095	03.3		0
	LANGLIE MATTIX QUEEN UNIT #029	Р	B-22-25S-37E	В		o	05/2010	06/01/2012	3410	8410		0
	•		A-22-25S-37E								v	
	LANGLIE MATTIX QUEEN UNIT #030	P		A		0	03/1991	04/01/1993	3400	8400	Υ	8400
	LANGLIE MATTIX QUEEN UNIT #032	P	G-22-25S-37E	G	30-025-23300	I	05/2010	06/01/2012	3620	8620		0
	LANGLIE MATTIX QUEEN UNIT #034	Р	H-22-25S-37E	Н	30-025-11689	0	05/2010	06/01/2012	3380	8380		0
	LANGLIE MATTIX QUEEN UNIT #035	Р	E-23-25S-37E	E	30-025-11705	I	05/2010	06/01/2012	3425	8425		0
	LANGLIE MATTIX QUEEN UNIT #037	F	K-15-25S-37E	K	30-025-23780	0	05/2010		3550			0
	LANGLIE MATTIX QUEEN UNIT #038	Р	O-15-25S-37E	0	30-025-23766	О	05/2010	06/01/2012	3550	8550		0
	LANGLIE MATTIX QUEEN UNIT #040	Р	G-22-25S-37E	G	30-025-11688	0	05/2010	06/01/2012	3345	8345		0
	LANGLIE MATTIX QUEEN UNIT #041	P	A-15-25S-37E	Α	30-025-30747	0	05/2010	06/01/2012	3650	8650		0
	LANGLIE MATTIX QUEEN UNIT #044	Р	D-14-25\$-37E	D	30-025-30750	0	05/2010	06/01/2012	3655	8655		0
	LANGLIE MATTIX QUEEN UNIT #045	S	P-15-25S-37E	Р	30-025-39199	0			Unknown			0
	LANGLIE MATTIX QUEEN UNIT #046	S	A-22-25S-37E	Α	30-025-39200	0			Unknown			0
	LANGLIE MATTIX QUEEN UNIT #047	S	B-15-25S-37E	В	30-025-39201				Unknown			0
	LANGLIE MATTIX QUEEN UNIT #048	S	P-10-25S-37E	Р	30-025-39202				Unknown			0
303991	MCCLAY FEDERAL #007	F	C-33-18S-30E	c		0	05/2010		3330			0
303661	MCCLAY FEDERAL #010	F		F								0
			F-33-18S-30E		30-015-21674	0	05/2010		3476			
	MCCLAY FEDERAL #011	F	K-33-18S-30E	K	30-015-23014		05/2010		3450			0
	MCCLAY FEDERAL #012	F	L-33-18S-30E	L		0	05/2010		3400			0
	MCCLAY FEDERAL #013	F	N-33-18S-30E	N		0	05/2010		3398			0
33129	NORTH BENSON QUEEN UNIT #001	F	C-28-18S-30E	С	30-015-10156	0	05/2010		3250			0
	NORTH BENSON QUEEN UNIT #003	F	C-27-18S-30E	C	30-015-10586	0	05/2010		3400			0
	NORTH BENSON QUEEN UNIT #004	F	G-27-18S-30E	G	30-015-10283	0	05/2010		3420			0
	NORTH BENSON QUEEN UNIT #006	F	E-27-18S-30E	Е	30-015-10158	0	05/2010		3400			0
	NORTH BENSON QUEEN UNIT #008	F	G-28-18S-30E	G	30-015-10108	0	05/2010		3300			0
	NORTH BENSON QUEEN UNIT #009	F	F-28-18S-30E	F	30-015-10101		02/2010		3250			0
	NORTH BENSON QUEEN UNIT #011	F	K-29-185-30E	K	30-015-10239		05/2010		3250			0
	NORTH BENSON QUEEN UNIT #012	F	J-29-185-30E	j	30-015-10389	I	05/2010		3220			0
	NORTH BENSON QUEEN UNIT #012	F	I-29-185-30E	I		0	05/2010		3185			0
	· ·	F										
	NORTH BENSON QUEEN UNIT #015		K-28-185-30E	K	30-015-10124	0	05/2010		3350			0
	NORTH BENSON QUEEN UNIT #016	F	J-28-18S-30E	J	30-015-10087	1	08/2008		3371			0

	NORTH BENSON QUEEN UNIT #018	F	L-27-18S-30E	L,	30-015-10128	I	06/2009		3380		0
	NORTH BENSON QUEEN UNIT #019	F	K-27-18S-30E	K		0	05/2010		3380		0
	NORTH BENSON QUEEN UNIT #020	F	O-27-18S-30E	0	30-015-04550		05/2010		3189		0
	NORTH BENSON QUEEN UNIT #021	F	N-27-18S-30E	N		I	08/2008		3450		0
	NORTH BENSON QUEEN UNIT #022	F	M-27-18S-30E	М		0	05/2010		3300		0
	NORTH BENSON QUEEN UNIT #023	F	P-28-18S-30E	P		I	05/2010		3350		0
	NORTH BENSON QUEEN UNIT #024	F	O-28-18S-30E	0		0	05/2010		3603		0
	NORTH BENSON QUEEN UNIT #025	F		N							0
	-		N-28-18S-30E			I	05/2010		3335		0
	NORTH BENSON QUEEN UNIT #026	F	M-28-18S-30E	М	30-015-10145		05/2010		3296		
	NORTH BENSON QUEEN UNIT #027	F	P-29-18S-30E	P		I	05/2010		3357		0
	NORTH BENSON QUEEN UNIT #028	F	O-29-18S-30E	0	30-015-10120	0	05/2010		3250		0
	NORTH BENSON QUEEN UNIT #030	F	A-31-18S-30E	Α	30-015-10844	0	05/2010		3044		0
	NORTH BENSON QUEEN UNIT #032	S	C-32-18S-30E	С	30-015-10535		05/2010	06/01/2012	2966	7966	0
	NORTH BENSON QUEEN UNIT #033	F	B-33-18S-30E	В		I	08/2008		3388		0
	NORTH BENSON QUEEN UNIT #034	F	A-33-18S-30E	. А	30-015-04560		05/2010		3363		0
	NORTH BENSON QUEEN UNIT #035	F	D-34-18S-30E		30-015-04564	I	05/2010		3377		0
	NORTH BENSON QUEEN UNIT #036	F	C-34-18S-30E	C	30-015-04561	0	05/2010		3409		0
	NORTH BENSON QUEEN UNIT #037	F	B-34-18S-30E	В	30-015-04566	I	05/2010		3112		0
	NORTH BENSON QUEEN UNIT #039	F	F-34-18S-30E	F	30-015-04562	I	05/2010		3145		0
	NORTH BENSON QUEEN UNIT #040	F	E-34-18S-30E		30-015-04563	0	05/2010		3150		0
	NORTH BENSON QUEEN UNIT #041	F	H-33-18S-30E	Н	30-015-10152	I	08/2008		3219		0
	NORTH BENSON QUEEN UNIT #042	S	F-32-18S-30E	F	30-015-10906	I	05/2010	06/01/2012	3205	8205	0
	NORTH BENSON QUEEN UNIT #043	S	E-32-18S-30E	Ε	30-015-10846	0	05/2010	06/01/2012	3175	8175	0
	NORTH BENSON QUEEN UNIT #044	S	K-32-18S-30E	K	30-015-20023	0	05/2010	06/01/2012	3228	8228	0
	NORTH BENSON QUEEN UNIT #045	F	I-33-18S-30E	I	30-015-04558	0	05/2010		3556		0
	NORTH BENSON QUEEN UNIT #046	F	O-28-18S-30E	0	30-015-26345	0	04/2008		3410		0
	NORTH BENSON QUEEN UNIT #047	F	M-27-18S-30E	М	30-015-26355	0	05/2010		3433		0
	NORTH BENSON QUEEN UNIT #048	F	P-28-18S-30E		30-015-36900	0			Unknown,		0
	NORTH BENSON QUEEN UNIT #049	F	J-28-18S-30E		30-015-36901	0			Unknown		0
	NORTH BENSON QUEEN UNIT #050	F	P-28-18S-30E		30-015-36902	0			Unknown		0
	NORTH BENSON QUEEN UNIT #053	F	L-28-18S-30E		30-015-36903	0			Unknown		0
	NORTH BENSON QUEEN UNIT #054	F	G-28-18S-30E		30-015-36904	0			Unknown		0
	NORTH BENSON QUEEN UNIT #056	F	H-28-185-30E		30-015-36905	0			Unknown		0
	NORTH BENSON QUEEN UNIT #060	F	M-27-18S-30E		30-015-36906	0			Unknown		0
	NORTH BENSON QUEEN UNIT #062	F	G-34-18S-30E		30-015-36898	0			Unknown		0
	NORTH BENSON QUEEN UNIT #063	F	F-34-18S-30E		30-015-36899	0					0
	•								Unknown		0
	NORTH BENSON QUEEN UNIT #064	F	E-34-18S-30E		30-015-36911				Unknown		0
	NORTH BENSON QUEEN UNIT #067	F	I-29-185-30E		30-015-36912				Unknown		
205.404	NORTH BENSON QUEEN UNIT #071	F	B-33-18S-30E	В	30-015-24330	0	05/2010	05/04/0040	12055	0765	0
305484	PHILLIPS LEA #001	S	F-31-17S-34E	F	30-025-02157	0	05/2010	06/01/2012	4765	9765	0
	PHILLIPS LEA #002	S	G-31-17S-34E	G	30-025-02163	0	05/2010	06/01/2012	4720	9720	0
	PHILLIPS LEA #003	S	J-31-17S-34E	3		0	05/2010	06/01/2012	4752	9752	0
	PHILLIPS LEA #004	S	4-31-17S-34E	М	30-025-02156	S					0
	PHILLIPS LEA #005	S	2 21 170 240				05/2010	06/01/2012	4995	9995	
			3-31-17S-34E	L	30-025-23161	0	05/2010	06/01/2012 06/01/2012	4850	9850	0
	PHILLIPS LEA #006	S	K-31-17S-34E	L K	30-025-23161 30-025-23345						0 0
	PHILLIPS LEA #007	S S			30-025-23161 30-025-23345	0	05/2010 05/2010 05/2010	06/01/2012	4850	9850	0 0 0
	PHILLIPS LEA #007 PHILLIPS LEA #008	S S	K-31-17S-34E C-31-17S-34E N-31-17S-34E	K C N	30-025-23161 30-025-23345 30-025-23513 30-025-23582	0 0 0	05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950	9850 9875 9850 9950	0 0 0 0
	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013	S S S	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E	K C N F	30-025-23161 30-025-23345 30-025-23513 30-025-23582 30-025-39184	0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822	9850 9875 9850 9950 9822	0 0 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001	s s s	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E	K C N	30-025-23161 30-025-23345 30-025-23513 30-025-23582	0 0 0	05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950	9850 9875 9850 9950	0 0 0 0 0 6770
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013	S S S S S	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E	K C N F	30-025-23161 30-025-23345 30-025-23513 30-025-23582 30-025-39184	0 0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822	9850 9875 9850 9950 9822	0 0 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001	s s s	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E	K C N F I	30-025-23161 30-025-23345 30-025-23513 30-025-23582 30-025-39184 30-015-25774	0 0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770	9850 9875 9850 9950 9822 6770	0 0 0 0 0 6770
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002	S S S S S	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E O-24-16S-28E	K C N F I	30-025-23161 30-025-23345 30-025-23513 30-025-23582 30-025-39184 30-015-25774 30-015-25681 30-015-25747	0 0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250	9850 9875 9850 9950 9822 6770 7250	0 0 0 0 0 0 6770
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #003	S S S S S	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E	K C N F I O P	30-025-23161 30-025-23345 30-025-23513 30-025-23582 30-025-39184 30-015-25774 30-015-25681 30-015-25747 30-015-23539	0 0 0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780	9850 9875 9850 9950 9822 6770 7250 6780	0 0 0 0 0 6770 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #003 RED LAKE UNIT #004	S S S S S S S	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E	K C N F I O P	30-025-23161 30-025-23345 30-025-23513 30-025-23582 30-025-39184 30-015-25774 30-015-25681 30-015-25747 30-015-23539 30-015-24130	0 0 0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700	9850 9875 9850 9950 9822 6770 7250 6780	0 0 0 0 0 6770 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #003 RED LAKE UNIT #004 RED LAKE UNIT #005	S S S S S F	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E	K C N F I O P B	30-025-23161 30-025-23345 30-025-23513 30-025-23582 30-025-39184 30-015-25774 30-015-25747 30-015-23539 30-015-24130 30-015-23316	0 0 0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300	9850 9875 9850 9950 9822 6770 7250 6780 6700	0 0 0 0 0 6770 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #003 RED LAKE UNIT #004 RED LAKE UNIT #005 RED LAKE UNIT #005	S S S S S F S	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E F-25-16S-28E	K C N F I O P B A F	30-025-23161 30-025-23345 30-025-23513 30-025-23582 30-025-39184 30-015-25774 30-015-25681 30-015-25747 30-015-23539 30-015-24130 30-015-23316	0 0 0 0 0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300 1660	9850 9875 9850 9950 9822 6770 7250 6780 6700	0 0 0 0 0 6770 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #003 RED LAKE UNIT #004 RED LAKE UNIT #005 RED LAKE UNIT #006 RED LAKE UNIT #006	S	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E F-25-16S-28E G-25-16S-28E	K C N F I O P B A F G	30-025-23161 30-025-23345 30-025-23513 30-025-23582 30-025-39184 30-015-25774 30-015-25681 30-015-23539 30-015-24130 30-015-23316 30-015-23936 30-015-24074	0 0 0 0 0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300 1660 1750	9850 9875 9850 9950 9822 6770 7250 6780 6700	0 0 0 0 0 6770 0 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #003 RED LAKE UNIT #004 RED LAKE UNIT #005 RED LAKE UNIT #006 RED LAKE UNIT #007 RED LAKE UNIT #007	S S S S S S F S F F	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E F-25-16S-28E G-25-16S-28E H-25-16S-28E	K C N F I O P B A F G H	30-025-23161 30-025-23345 30-025-23513 30-025-23582 30-025-39184 30-015-25774 30-015-25747 30-015-23539 30-015-23136 30-015-23316 30-015-23936 30-015-24074 30-015-25557	0 0 0 0 0 0 0 1 0 0 1	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300 1660 1750 1898	9850 9875 9850 9950 9822 6770 7250 6780 6700	0 0 0 0 0 6770 0 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #003 RED LAKE UNIT #004 RED LAKE UNIT #005 RED LAKE UNIT #006 RED LAKE UNIT #007 RED LAKE UNIT #007 RED LAKE UNIT #008 RED LAKE UNIT #008	S	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E F-25-16S-28E G-25-16S-28E H-25-16S-28E 2-30-16S-29E	K C N F I O P B A F G H E	30-025-23161 30-025-23345 30-025-23513 30-025-23582 30-025-39184 30-015-25774 30-015-25747 30-015-23539 30-015-23136 30-015-23316 30-015-23936 30-015-24074 30-015-25557	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300 1660 1750 1898 1900	9850 9875 9850 9950 9822 6770 7250 6780 6700	0 0 0 0 0 6770 0 0 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #003 RED LAKE UNIT #004 RED LAKE UNIT #005 RED LAKE UNIT #006 RED LAKE UNIT #007 RED LAKE UNIT #007 RED LAKE UNIT #008 RED LAKE UNIT #009 RED LAKE UNIT #009 RED LAKE UNIT #010	S S S S F F F F S	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E G-25-16S-28E H-25-16S-28E H-25-16S-28E K-25-16S-28E	K C N F I O P B A F G H E K	30-025-23161 30-025-23345 30-025-23582 30-025-39184 30-015-25774 30-015-25747 30-015-23539 30-015-23316 30-015-23316 30-015-23936 30-015-24074 30-015-25557 30-015-23406 30-015-23714	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300 1660 1750 1898 1900 1690	9850 9875 9850 9950 9822 6770 7250 6780 6700	0 0 0 0 0 6770 0 0 0 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #003 RED LAKE UNIT #004 RED LAKE UNIT #005 RED LAKE UNIT #006 RED LAKE UNIT #007 RED LAKE UNIT #007 RED LAKE UNIT #008 RED LAKE UNIT #009 RED LAKE UNIT #010 RED LAKE UNIT #010	S	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E G-25-16S-28E G-25-16S-28E H-25-16S-28E 2-30-16S-29E K-25-16S-28E J-25-16S-28E	K C N F I O P B A F G H E K	30-025-23161 30-025-23345 30-025-23582 30-025-39184 30-015-25774 30-015-25747 30-015-23539 30-015-23316 30-015-23316 30-015-23936 30-015-24074 30-015-25557 30-015-23406 30-015-23714	0 0 0 0 0 0 0 0 1 0 1 1 0 1 1	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300 1660 1750 1898 1900 1690 1723	9850 9875 9850 9950 9822 6770 7250 6780 6700	0 0 0 0 0 6770 0 0 0 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #004 RED LAKE UNIT #004 RED LAKE UNIT #005 RED LAKE UNIT #006 RED LAKE UNIT #007 RED LAKE UNIT #007 RED LAKE UNIT #008 RED LAKE UNIT #009 RED LAKE UNIT #010 RED LAKE UNIT #011 RED LAKE UNIT #011	S	K-31-17S-34E C-31-17S-34E N-31-17S-34E F-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E G-25-16S-28E H-25-16S-28E 2-30-16S-29E K-25-16S-28E J-25-16S-28E I-25-16S-28E	K C N F I O P B A F G H E K J I	30-025-23161 30-025-23345 30-025-23582 30-025-39184 30-015-25774 30-015-25747 30-015-23539 30-015-23316 30-015-23316 30-015-23316 30-015-23936 30-015-24074 30-015-25557 30-015-23406 30-015-23714 30-015-23714	0 0 0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300 1660 1750 1898 1900 1690 1723 1890	9850 9875 9850 9950 9822 6770 7250 6780 6700	0 0 0 0 0 6770 0 0 0 0 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #004 RED LAKE UNIT #005 RED LAKE UNIT #006 RED LAKE UNIT #006 RED LAKE UNIT #007 RED LAKE UNIT #007 RED LAKE UNIT #008 RED LAKE UNIT #009 RED LAKE UNIT #010 RED LAKE UNIT #011 RED LAKE UNIT #011 RED LAKE UNIT #012 RED LAKE UNIT #012	SSSSSSFFFFSFF	K-31-17S-34E C-31-17S-34E N-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E G-25-16S-28E H-25-16S-28E 2-30-16S-29E K-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-30-16S-29E	K C N F I O P B A F G H E K J I L	30-025-23161 30-025-23345 30-025-23582 30-025-39184 30-015-25774 30-015-25747 30-015-23539 30-015-23316 30-015-23316 30-015-23316 30-015-23936 30-015-24074 30-015-23557 30-015-23714 30-015-23714 30-015-23714 30-015-24016 30-015-25412	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300 1660 1750 1898 1900 1690 1723 1890 2500	9850 9875 9850 9950 9822 6770 7250 6780 6700 6660	0 0 0 0 0 6770 0 0 0 0 0 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #004 RED LAKE UNIT #005 RED LAKE UNIT #005 RED LAKE UNIT #006 RED LAKE UNIT #007 RED LAKE UNIT #007 RED LAKE UNIT #008 RED LAKE UNIT #009 RED LAKE UNIT #010 RED LAKE UNIT #011 RED LAKE UNIT #011 RED LAKE UNIT #012 RED LAKE UNIT #013 RED LAKE UNIT #013	S	K-31-17S-34E C-31-17S-34E N-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E G-25-16S-28E H-25-16S-28E H-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E N-25-16S-28E	K C N F I O P B A F G H E K J I L N	30-025-23161 30-025-23345 30-025-23582 30-025-39184 30-015-25774 30-015-25747 30-015-23539 30-015-23316 30-015-23316 30-015-23316 30-015-23936 30-015-24074 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-24016 30-015-25512 30-015-2361	0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 1 0 0 0 0 1 0	05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300 1660 1750 1898 1900 1690 1723 1890 2500 1735	9850 9875 9850 9950 9822 6770 7250 6780 6700 6660	0 0 0 0 0 6770 0 0 0 0 0 0 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #004 RED LAKE UNIT #005 RED LAKE UNIT #006 RED LAKE UNIT #006 RED LAKE UNIT #007 RED LAKE UNIT #008 RED LAKE UNIT #009 RED LAKE UNIT #010 RED LAKE UNIT #011 RED LAKE UNIT #011 RED LAKE UNIT #012 RED LAKE UNIT #013 RED LAKE UNIT #015 RED LAKE UNIT #015 RED LAKE UNIT #016	S S S S S F F F F F F F F F F F F F F F	K-31-17S-34E C-31-17S-34E N-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E G-25-16S-28E H-25-16S-28E U-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E O-25-16S-28E O-25-16S-28E	K C N F I O P B A F G H E K J I L N O	30-025-23161 30-025-23345 30-025-23582 30-025-39184 30-015-25774 30-015-25747 30-015-23539 30-015-23316 30-015-23316 30-015-23316 30-015-23936 30-015-24074 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-23714	0 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 1 0 0 0 0 1 0	05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300 1660 1750 1898 1900 1690 1723 1890 2500 1735 1838	9850 9875 9850 9950 9822 6770 7250 6780 6700 6660	0 0 0 0 0 6770 0 0 0 0 0 0 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #004 RED LAKE UNIT #005 RED LAKE UNIT #006 RED LAKE UNIT #006 RED LAKE UNIT #007 RED LAKE UNIT #008 RED LAKE UNIT #009 RED LAKE UNIT #010 RED LAKE UNIT #011 RED LAKE UNIT #011 RED LAKE UNIT #012 RED LAKE UNIT #013 RED LAKE UNIT #015 RED LAKE UNIT #016	S S S S S F F F F F F F F F F F F F F F	K-31-17S-34E C-31-17S-34E N-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E G-25-16S-28E H-25-16S-28E U-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E D-25-16S-28E D-25-16S-28E	K C N F I O P B A F G H E K J I L N O P	30-025-23161 30-025-23345 30-025-23582 30-025-39184 30-015-25774 30-015-25747 30-015-23539 30-015-23316 30-015-23316 30-015-23316 30-015-23936 30-015-24074 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-23714 30-015-23714	0 0 0 0 0 0 0 1 0 0 1 0 0 1 0 0 0	05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300 1660 1750 1898 1900 1690 1723 1890 2500 1735 1838 1923	9850 9875 9850 9950 9822 6770 7250 6780 6700 6660	0 0 0 0 0 6770 0 0 0 0 0 0 0 0 0 0
303878	PHILLIPS LEA #007 PHILLIPS LEA #008 PHILLIPS LEA #013 RED LAKE UNIT #001 RED LAKE UNIT #002 RED LAKE UNIT #004 RED LAKE UNIT #005 RED LAKE UNIT #006 RED LAKE UNIT #006 RED LAKE UNIT #007 RED LAKE UNIT #008 RED LAKE UNIT #009 RED LAKE UNIT #010 RED LAKE UNIT #011 RED LAKE UNIT #011 RED LAKE UNIT #012 RED LAKE UNIT #013 RED LAKE UNIT #015 RED LAKE UNIT #016 RED LAKE UNIT #016 RED LAKE UNIT #017 RED LAKE UNIT #017 RED LAKE UNIT #017	SSSSSSFFFFSFFSFFS	K-31-17S-34E C-31-17S-34E N-31-17S-34E I-24-16S-28E O-24-16S-28E P-24-16S-28E B-25-16S-28E A-25-16S-28E G-25-16S-28E H-25-16S-28E U-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E J-25-16S-28E C-25-16S-28E C-25-16S-28E C-25-16S-28E C-25-16S-28E	K C N F I O P B A F G H E K J I L N O P C	30-025-23161 30-025-23345 30-025-23582 30-025-39184 30-015-25774 30-015-25747 30-015-23539 30-015-23316 30-015-23316 30-015-23316 30-015-23316 30-015-23714 30-015-23714 30-015-23714 30-015-2361 30-015-2361 30-015-23122 30-015-2370 30-015-23122 30-015-2370 30-015-23128	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	05/2010 05/2010	06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012 06/01/2012	4850 4875 4850 4950 4822 1770 2250 1780 1700 2300 1660 1750 1898 1900 1690 1723 1890 2500 1735 1838 1923 1752	9850 9875 9850 9950 9822 6770 7250 6780 6700 6660	0 0 0 0 0 6770 0 0 0 0 0 0 0 0 0 0 0

SEYEN RIVERS QUEEN UNIT #069													
SEVEN RIVERS QUEEN UNIT 4072 P		Р	A-34-22S-36E	Α	30-025-29591	О	05/2010	06/01/2012	3900	8900		0	
SEVEN RIVERS QUEEN UNIT 4073 P C 3-34-225-36E R S 30-025-305-9 O C 95/2010 06/01/2012 3860 8800 O SEVEN RIVERS QUEEN UNIT 4073 P C 3-34-225-36E R S 30-025-30159 O C 95/2010 06/01/2012 3800 8800 O C SEVEN RIVERS QUEEN UNIT 7076 P C 3-34-225-36E R S 30-025-30159 O C 95/2010 06/01/2012 3800 8800 O C SEVEN RIVERS QUEEN UNIT 7076 P C 3-32-25-36E R S 30-025-30159 O C 95/2010 06/01/2012 3806 8800 O C SEVEN RIVERS QUEEN UNIT 7076 P C 3-32-25-36E R S 30-025-30159 O C 95/2010 06/01/2012 3800 8800 O C SEVEN RIVERS QUEEN UNIT 7076 P J-34-225-36E R S 30-025-3014 O C 95/2010 06/01/2012 3850 8850 O C SEVEN RIVERS QUEEN UNIT 7078 P J-34-225-36E R S 30-025-3014 O C 95/2010 06/01/2012 3850 8850 O C SEVEN RIVERS QUEEN UNIT 7080 P J-34-225-36E R S 30-025-30179 O C 95/2010 06/01/2012 3850 8850 O C SEVEN RIVERS QUEEN UNIT 7080 P J-72-225-36E R S 30-025-30179 O C 95/2010 06/01/2012 3850 8850 O C SEVEN RIVERS QUEEN UNIT 7080 P J-72-225-36E R S 30-025-30179 O C 95/2010 06/01/2012 3850 8850 O C SEVEN RIVERS QUEEN UNIT 7081 P S-27-225-36E R S 30-025-30179 O C 95/2010 06/01/2012 3850 8850 O C SEVEN RIVERS QUEEN UNIT 7081 P S-27-225-36E R S 30-025-30179 O C 95/2010 06/01/2012 3850 8850 O C SEVEN RIVERS QUEEN UNIT 7085 P J-22-225-36E R S 30-025-30179 O C 95/2010 06/01/2012 3850 8850 O C SEVEN RIVERS QUEEN UNIT 7086 P J-22-225-36E R S 30-025-30179 O C 95/2010 06/01/2012 3850 8895 O C SEVEN RIVERS QUEEN UNIT 7085 P J-22-225-36E R S 30-025-30179 O C 95/2010 06/01/2012 3850 8950 O C SEVEN RIVERS QUEEN UNIT 7085 P J-22-225-36E R S 30-025-30179 O C 95/2010 06/01/2012 3850 8985 O C SEVEN RIVERS QUEEN UNIT 7085 P J-22-225-36E R S 30-025-30179 O C 95/2010 06/01/2012 3890 8980 O C SEVEN RIVERS QUEEN UNIT 7085 P J-22-225-36E R S 30-325-3010 O C 95/2010 06/01/2012 3890 8980 O C SEVEN RIVERS QUEEN UNIT 7085 P J-22-225-36E R S 30-325-3010 O C 95/2010 06/01/2012 3890 8980 O C SEVEN RIVERS QUEEN UNIT 7085 P J-23-225-36E R S 30-325-3007 O C 95/2010 06/01/2012 3890 8980 O C SEVEN RIVERS QUEEN UNIT 7085 P J-23-225-36E R S 30-325-3260 P J S 95/2010 06/01/201			3-3 -23S-36E	С		0	05/2010	06/01/2012	3900	8900		0	
SEVEN RIVERS QUEEN UNIT #073 P 6-34-225-36E B 30-025-30159 O 05/2010 06/01/2012 3880 8800 O O O O O O O O O		S	2-2 -23S-36E	, B	30-025-29593	0	05/2010	06/01/2012	3870	8870		0	
SEVEN RIVERS QUEEN UNIT #075 P 0-34-225-36E 0 30-025-30160 0 05/2010 06/01/2012 3850 8850 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SEVEN RIVERS QUEEN UNIT #072	₽	C-34-22S-36E	С	30-025-29594	0	05/2010	06/01/2012	3860	8860		0	
SEVEN RIVERS QUEEN UNIT 4075 P 0.34.225-36E Q 30-025-30151 Q 05/2010 06/01/2012 3850 886 0 SEVEN RIVERS QUEEN UNIT 4077 P 3-34-225-36E J 30-025-30743 O 05/2010 06/01/2012 3850 8850 O SEVEN RIVERS QUEEN UNIT 4078 P P 9-34-225-36E P 30-025-30744 O 05/2010 06/01/2012 3830 8850 O SEVEN RIVERS QUEEN UNIT 4080 P P P-37-225-36E F 30-025-37794 O 05/2010 06/01/2012 3843 8843 O SEVEN RIVERS QUEEN UNIT 4081 P B-27-225-36E B 30-025-37799 O 05/2010 06/01/2012 3950 8950 O SEVEN RIVERS QUEEN UNIT 4082 P B-27-225-36E B 30-025-37799 O 05/2010 06/01/2012 3955 8955 O SEVEN RIVERS QUEEN UNIT 4086 P P P-27-225-36E M 30-025-37999 O 06/01/2012	SEVEN RIVERS QUEEN UNIT #073	Р	E-34-22S-36E	E	30-025-30159	0	05/2010	06/01/2012	3880	8880		0	
SEVEN RIVERS QUEEN UNIT 10767 P 0-34-225-366 N 30-025-3074 N 0. 05/2010 0.6/01/2012 3850 8850 N 0. 05/2010 0.6/01/2012 3850 3850 N 0. 05/2010 0.6/01/2012 3850 N 0. 05/2010 0. 05/2010 0.6/01/2012 3850 N 0. 05/2010 0. 05/2010 0.6/01/2012 3850 N 0. 05/2010	SEVEN RIVERS QUEEN UNIT #074	S	2-3 -23S-36E	В	30-025-30160	0	05/2010	06/01/2012	3880	8880		0	
SEVEN RIVERS QUEEN UNIT 4078 P 3-34-225-36E J 30-025-30743 O 05/2010 06/01/2012 3850 8850 O SEVEN RIVERS QUEEN UNIT 4078 P 3-34-225-36E F 30-025-30745 O 05/2010 06/01/2012 3843 8843 O SEVEN RIVERS QUEEN UNIT 4080 P F-27-225-36E F 30-025-37793 O 05/2010 06/01/2012 3950 8950 O SEVEN RIVERS QUEEN UNIT 4082 P B-27-225-36E B 30-025-37799 O 05/2010 06/01/2012 3950 8950 O SEVEN RIVERS QUEEN UNIT 4082 P B-27-225-36E B 30-025-37799 O 05/2010 06/01/2012 3955 8955 O SEVEN RIVERS QUEEN UNIT 4089 P P P-27-225-36E B 30-025-37799 O 05/2010 06/01/2012 3955 8955 O SEVEN RIVERS QUEEN UNIT 4089 P P-27-225-36E M 30-025-38069 O 05/2010 06/01/2012	SEVEN RIVERS QUEEN UNIT #075	P	O-34-225-36E	0	30-025-30161	0	05/2010	06/01/2012	3886	8886		0	
SEVEN RIVERS QUEEN UNIT #078	SEVEN RIVERS QUEEN UNIT #076	Р	G-34-22S-36E	G	30-025-30742	0	05/2010	06/01/2012	3850	8850		0	
SEVEN RIVERS QUEEN UNIT #0799 S H-3 -23S-36E H 30-025-37795 C 05/2010 06/01/2012 3950 8950 O O O O O O O O O	SEVEN RIVERS QUEEN UNIT #077	Ρ	J-34-22S-36E	J	30-025-30743	0	05/2010	06/01/2012	3850	8850		0	
SEVEN RIVERS QUEEN UNIT #080	SEVEN RIVERS QUEEN UNIT #078	P	P-34-22S-36E	₽	30-025-30744	0	05/2010	06/01/2012	3825	8825		0	
SEVEN RIVERS QUEEN UNIT #081 P 8-27-225-36E B 30-025-37794 O 05/2010 06/01/2012 3950 8950 O O O O O O O O O	SEVEN RIVERS QUEEN UNIT #079	S	H-3 -23S-36E	Н	30-025-30745	О	05/2010	06/01/2012	3843	8843		0	
SEVEN RIVERS QUEEN UNIT #082 P B-27-22S-36E B 30-02S-37798 O 05/2010 06/01/2012 3950 8950 O O O O O O O O O		Р	F-27-22S-36E	F	30-025-37792	0	05/2010	06/01/2012	3950	8950		0	
SEVEN RIVERS QUEEN UNIT #084	•	Р	B-27-22S-36E	В	30-025-37793	0	05/2010	06/01/2012	3950	8950		0	
SEVEN RIVERS QUEEN UNIT #084 P M-27-225-36E P 30-025-37797 O 05/2010 06/01/2012 3955 8955 O O O O O O O O O		Р	B-27-22S-36E	В	30-025-37794	О	05/2010	06/01/2012	3950	8950		0	
SEVEN RIVERS QUEEN UNIT #085	·	Р	E-27-22S-36E	Е	30-025-37795	0	05/2010	06/01/2012	3945	8945		0	
SEVEN RIVERS QUEEN UNIT #086 P 0.27-225-36E J 30.025-37933 O 05/2010 06/01/2012 3932 8932 O 05/2010 06/01/2012 3985 8985 O 05/2010 06/01/2012 3985 8985 O 05/2010 06/01/2012 3985 8985 O 0 05/2010 06/01/2012 3985 8985 O 0 0 0 0 0 0 0 0 0	SEVEN RIVERS QUEEN UNIT #084	Р	M-27-22S-36E	М	30-025-37797	0	05/2010	06/01/2012	3955	8955		0	
SEVEN RIVERS QUEEN UNIT #087Y P M-27-22S-36E M 30-02S-38161 O 05/2010 06/01/2012 3985 8985 O 05/2010 06/01/2012 3980 8980 O 06/01/2012 3980 S 0880 O 06/01/2012 3980 S 0880 O 06/01/2012 O 06	*					0		06/01/2012				-	
SEVEN RIVERS QUEEN UNIT #088 P C-34-225-36E P 30-025-38068 O 05/2010 06/01/2012 3980 8980 O O O O O O O O O		Р	J-27-22S-36E	J	30-025-37933	0	05/2010	06/01/2012	3932	8932		0	
SEVEN RIVERS QUEEN UNIT #099		Р	M-27-22S-36E	М	30-025-38161	О		06/01/2012	3985	8985		0	
SEVEN RIVERS QUEEN UNIT #091 P	SEVEN RIVERS QUEEN UNIT #088	P	C-34-22S-36E	С	30-025-38068	0	05/2010	06/01/2012	3980	8980		0	
SEVEN RIVERS QUEEN UNIT #091 P 0-35-225-36E D 30-025-38073 O 05/2010 06/01/2012 3949 8949 O O O O O O O O O	•			Ρ				06/01/2012					
SEVEN RIVERS QUEEN UNIT #092 P F-35-22S-36E F 30-02S-38074 0 0 05/2010 06/01/2012 3930 8930 0 0 SEVEN RIVERS QUEEN UNIT #093 P L-35-22S-36E L 30-02S-38075 0 0 05/2010 06/01/2012 3880 8880 0 30 30-035-034816 SOUTH LEONARD UNIT #001 F N-13-26S-37E N 30-02S-11982 I 05/2010 4600 4600 0 0 50-04-04-04-04-04-04-04-04-04-04-04-04-04	SEVEN RIVERS QUEEN UNIT #090	Р	A-34-22S-36E	Α	30-025-38069	0	05/2010	06/01/2012	3950	8950		0	
SEVEN RIVERS QUEEN UNIT #093 P L-35-22S-36E L 30-025-38075 O 05/2010 06/01/2012 3880 8880 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	·	Р				О		06/01/2012	-				
304316 SOUTH LEONARD UNIT #001 F N-13-26S-37E N 30-025-11982 I 05/2010 4600 0 3438 0 0 SOUTH LEONARD UNIT #002 F A-23-26S-37E A 30-025-12039 I 05/2010 3438 0 3445	SEVEN RIVERS QUEEN UNIT #092	Р	F-35-22S-36E	F	30-025-38074	0	05/2010	06/01/2012	3930	8930		0	
SOUTH LEONARD UNIT #002 F A-23-265-37E A 30-025-12039 I 05/2010 3438			L-35-22S-36E	L	30-025-38075	0		06/01/2012	3880	8880		0	
SOUTH LEONARD UNIT #004 F C-24-26S-37E C 30-025-12043 O 05/2010 3445 O 05/2010 SOUTH LEONARD UNIT #005 F B-24-26S-37E B 30-025-12047 O 05/2010 3477 O 05/2010 SOUTH LEONARD UNIT #006 P H-23-26S-37E H 30-025-12041 I 05/2010 06/01/2012 3470 8470 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		F	N-13-26S-37E	N									
SOUTH LEONARD UNIT #005 F B-24-26S-37E B 30-025-12047 O 05/2010 3477 0 SOUTH LEONARD UNIT #006 P H-23-26S-37E H 30-025-12041 I 05/2010 06/01/2012 3470 8470 0 SOUTH LEONARD UNIT #007 P E-24-26S-37E E 30-025-12052 O 05/2010 06/01/2012 3450 8450 O SOUTH LEONARD UNIT #008 P F-24-26S-37E F 30-025-12052 O 05/2010 06/01/2012 3440 8440 O SOUTH LEONARD UNIT #009 F G-24-26S-37E H 30-025-12045 O 05/2010 3573 O O SOUTH LEONARD UNIT #010 F H-24-26S-37E H 30-025-12042 G 05/1996 06/01/1998 3482 8482 Y 8482 SOUTH LEONARD UNIT #011 P I-24-26S-37E K 30-025-12042 G 05/1996 06/01/2012 3475 8475 O SOUTH LEONARD UNIT #013													
SOUTH LEONARD UNIT #006 P H-23-265-37E H 30-025-12041 I 05/2010 06/01/2012 3470 8470 0 SOUTH LEONARD UNIT #007 P E-24-265-37E E 30-025-12052 O 05/2010 06/01/2012 3450 8450 O SOUTH LEONARD UNIT #008 P F-24-265-37E F 30-025-12050 I 05/2010 06/01/2012 3440 8440 O SOUTH LEONARD UNIT #009 F G-24-265-37E F 30-025-12045 O 05/2010 3620 O O SOUTH LEONARD UNIT #010 F H-24-265-37E H 30-025-12045 O 05/2010 3620 O O SOUTH LEONARD UNIT #011 P I-23-265-37E H 30-025-12042 G 05/2010 06/01/2012 3475 8482 Y 8482 SOUTH LEONARD UNIT #011 P I-24-265-37E K 30-025-12051 I 05/2010 06/01/2012 3475 8475 O SOUTH LEONAR													
SOUTH LEONARD UNIT #007 P E-24-26S-37E E 30-025-12052 O 05/2010 06/01/2012 3450 8450 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				_					_				
SOUTH LEONARD UNIT #008													
SOUTH LEONARD UNIT #009 F G-24-26S-37E G 30-025-12045 O 05/2010 3573 0 SOUTH LEONARD UNIT #010 F H-24-26S-37E H 30-025-22756 I 05/2010 3620 0 SOUTH LEONARD UNIT #011 P I-23-26S-37E I 30-025-12042 G 05/1996 06/01/1998 3482 8482 Y 8482 SOUTH LEONARD UNIT #012 P L-24-26S-37E L 30-025-12051 I 05/2010 06/01/2012 3475 8475 0 SOUTH LEONARD UNIT #013 P K-24-26S-37E K 30-025-12051 I 05/2010 06/01/2012 3475 8475 0 SOUTH LEONARD UNIT #015 F M-24-26S-37E M 30-025-12049 I 04/2008 3500 500 0 SOUTH LEONARD UNIT #017 P F-24-26S-37E F 30-025-29018 0 05/2010 06/01/2012 3498 8498 0 SOUTH LEONARD UNIT #017 P F-24-26S-37E													
SOUTH LEONARD UNIT #010 F H-24-265-37E H 30-025-22756 I 05/2010 3620 0 SOUTH LEONARD UNIT #011 P 1-23-265-37E I 30-025-12042 G 05/1996 06/01/1998 3482 8482 Y 8482 SOUTH LEONARD UNIT #012 P 1-24-265-37E L 30-025-12053 0 05/2010 06/01/2012 3475 8475 0 SOUTH LEONARD UNIT #013 P K-24-265-37E K 30-025-12051 I 05/2010 06/01/2012 3475 8475 0 SOUTH LEONARD UNIT #015 F M-24-265-37E K 30-025-12049 I 04/2008 3500 - 0 SOUTH LEONARD UNIT #017 P F-24-265-37E F 30-025-29018 0 05/2010 06/01/2012 3498 8498 0 SOUTH LEONARD UNIT #018 P E-24-265-37E E 30-025-29018 0 05/2010 06/01/2012 3498 8498 0 SOUTH LEONARD UNIT #018								06/01/2012		8440			
SOUTH LEONARD UNIT #011 P 1-23-265-37E I 30-025-12042 G 05/1996 06/01/1998 3482 8482 Y 8482 SOUTH LEONARD UNIT #012 P 1-24-265-37E L 30-025-12053 0 05/2010 06/01/2012 3475 8475 0 SOUTH LEONARD UNIT #013 P K-24-265-37E K 30-025-12051 I 05/2010 06/01/2012 3475 8475 0 SOUTH LEONARD UNIT #015 F M-24-265-37E K 30-025-12049 I 04/2008 3500 - 0 SOUTH LEONARD UNIT #017 P F-24-265-37E F 30-025-29018 0 05/2010 06/01/2012 3498 8498 0 SOUTH LEONARD UNIT #018 P E-24-265-37E E 30-025-29018 0 05/2010 06/01/2012 3498 8498 0 SOUTH LEONARD UNIT #018 P E-24-265-37E E 30-025-29228 0 05/2010 06/01/2012 3629 8629 0													
SOUTH LEONARD UNIT #012 P L-24-26S-37E L 30-025-12053 O 05/2010 06/01/2012 3475 8475 O SOUTH LEONARD UNIT #013 P K-24-26S-37E K 30-025-12051 I 05/2010 06/01/2012 3475 8475 O SOUTH LEONARD UNIT #015 F M-24-26S-37E K 30-025-12049 I 04/2008 3500 C 0 SOUTH LEONARD UNIT #017 P F-24-26S-37E F 30-025-29018 0 05/2010 06/01/2012 3498 8498 0 SOUTH LEONARD UNIT #018 P E-24-26S-37E E 30-025-29218 0 05/2010 06/01/2012 3498 8498 0 SOUTH LEONARD UNIT #018 P E-24-26S-37E E 30-025-29218 0 05/2010 06/01/2012 3629 8629 0 305483 STATE 36 #001 S 1-36-17S-33E J 30-025-31182 0 05/2010 06/01/2012 4852 9852 0 STATE													
SOUTH LEONARD UNIT #013 P K-24-265-37E K 30-025-12051 I 05/2010 06/01/2012 3475 8475 0 SOUTH LEONARD UNIT #015 F M-24-265-37E M 30-025-12049 I 04/2008 3500 0 0 SOUTH LEONARD UNIT #017 P F-24-265-37E F 30-025-29018 0 05/2010 06/01/2012 3498 8498 0 SOUTH LEONARD UNIT #018 P E-24-265-37E E 30-025-29228 0 05/2010 06/01/2012 3629 8629 0 305483 STATE 36 #001 S 1-36-17S-33E I 30-025-31182 0 05/2010 06/01/2012 4852 9852 0 STATE 36 #003 S J-36-17S-33E I 30-025-31805 0 05/2010 06/01/2012 4900 9900 0 STATE 36 #004 S K-36-17S-33E K 30-025-32660 0 05/2010 06/01/2012 4820 9820 0 STATE 36 #005				I			,				Υ		
SOUTH LEONARD UNIT #015 F M-24-26S-37E M 30-025-12049 I 04/2008 3500 0 SOUTH LEONARD UNIT #017 P F-24-26S-37E F 30-025-29018 O 05/2010 06/01/2012 3498 8498 0 SOUTH LEONARD UNIT #018 P F-24-26S-37E E 30-025-29228 O 05/2010 06/01/2012 3629 8629 0 305483 STATE 36 #001 S 1-36-17S-33E I 30-025-31182 O 05/2010 06/01/2012 4852 9852 0 STATE 36 #003 S 1-36-17S-33E J 30-025-3105 O 05/2010 06/01/2012 4900 9900 0 STATE 36 #004 S K-36-17S-33E K 30-025-3260 O 05/2010 06/01/2012 4820 9820 0 STATE 36 #005 S 1-36-17S-33E L 30-025-36642 O 05/2010 06/01/2012 4800 9800 0			L-24-26S-37E	L	30-025-12053	0	05/2010	06/01/2012	3475	8475		0	
SOUTH LEONARD UNIT #017 P F-24-26S-37E F 30-025-29018 0 05/2010 06/01/2012 3498 8498 0 SOUTH LEONARD UNIT #018 P E-24-26S-37E E 30-025-29228 O 05/2010 06/01/2012 3629 8629 O 305483 STATE 36 #001 S 1-36-17S-33E I 30-025-31182 O 05/2010 06/01/2012 4852 9852 O STATE 36 #003 S J-36-17S-33E J 30-025-31905 O 05/2010 06/01/2012 4900 9900 O STATE 36 #004 S K-36-17S-33E K 30-025-32260 O 05/2010 06/01/2012 4820 9820 O STATE 36 #005 S L-36-17S-33E L 30-025-36642 O 05/2010 06/01/2012 4820 9820 O				K				06/01/2012	-	8475			
SOUTH LEONARD UNIT #018 P E-24-26S-37E E 30-025-29228 O 05/2010 06/01/2012 3629 8629 O 305483 STATE 36 #001 S 1-36-17S-33E I 30-025-31182 O 05/2010 06/01/2012 4852 9852 O STATE 36 #003 S J-36-17S-33E J 30-025-31905 O 05/2010 06/01/2012 4900 9900 O STATE 36 #004 S K-36-17S-33E K 30-025-32260 O 05/2010 06/01/2012 4820 9820 O STATE 36 #005 S L-36-17S-33E L 30-025-36642 O 05/2010 06/01/2012 4800 9800 O			M-24-26S-37E	М								0	
305483 STATE 36 #001 S 1-36-17S-33E I 30-025-31182 O 05/2010 06/01/2012 4852 9852 O STATE 36 #003 S 1-36-17S-33E J 30-025-31905 O 05/2010 06/01/2012 4900 9900 O STATE 36 #004 S K-36-17S-33E K 30-025-3260 O 05/2010 06/01/2012 4800 9820 O STATE 36 #005 S 1-36-17S-33E L 30-025-36642 O 05/2010 06/01/2012 4800 9800 O													
STATE 36 #003 S J-36-17S-33E J 30-025-31905 O 05/2010 06/01/2012 4900 9900 O STATE 36 #004 S K-36-17S-33E K 30-025-32260 O 05/2010 06/01/2012 4820 9820 O STATE 36 #005 S L-36-17S-33E L 30-025-36642 O 05/2010 06/01/2012 4800 9800 O													
STATE 36 #004 S K-36-17S-33E K 30-025-32260 O 05/2010 06/01/2012 4820 9820 O STATE 36 #005 S L-36-17S-33E L 30-025-36642 O 05/2010 06/01/2012 4800 9800 O													
STATE 36 #005 S L-36-17S-33E L 30-025-36642 O 05/2010 06/01/2012 4800 9800 0													
				K				06/01/2012					
304302 WELCH #001 S I-30-18S-28E I 30-015-25306 O 05/2010 06/01/2012 2348 7348 0													
	304302 WELCH #001	S	I-30-18S-28E	I	30-015-25306	0	05/2010	06/01/2012	2348	7348		0	

WHERE Ogrid: 220420

Form 3160-5 (August 2007)

OCT-ARTEGIA

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

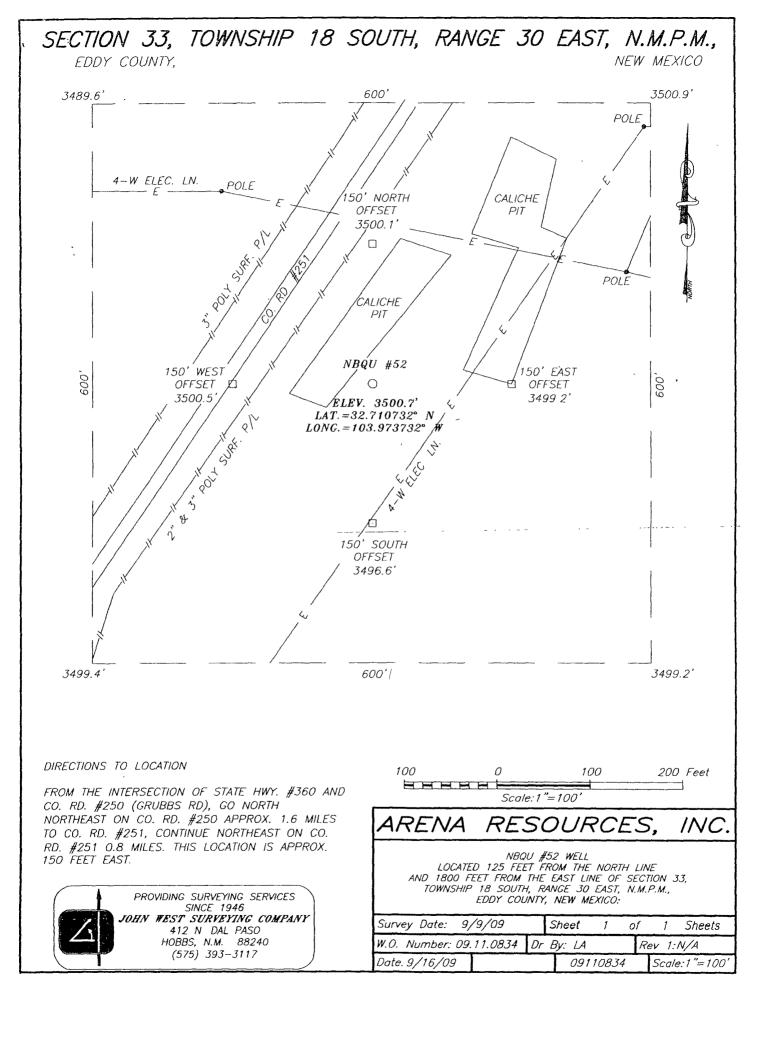
5 Lease Serial No LC028978B

6 If Indian, Allottee or Tribe Name

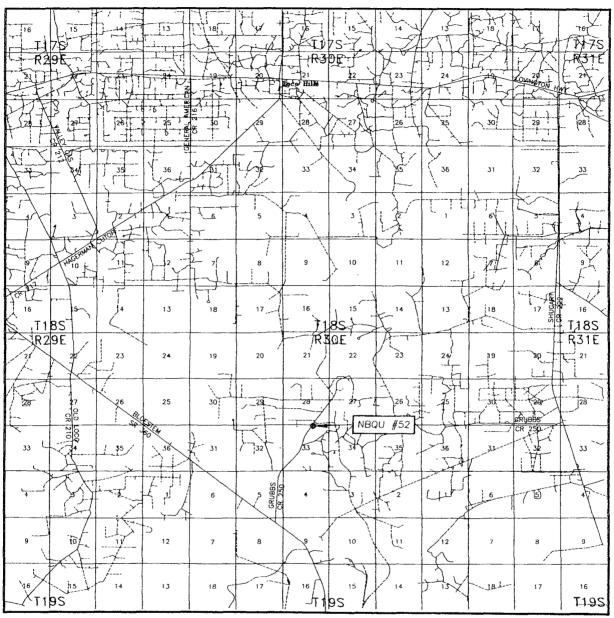
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals

abandoned well.							
SUBMI	T IN TRIPLICATE - Other	r ınstructions on	page 2.		7 If Unit of CA/Agi	reement. Name ar	nd/or No
Type of Well Gas W	Vell Other				NMNM70993X 8 Well Name and N NBQU #52	lo	
2. Name of Operator Arena Resource	es Inc				9 API Well No		
Ba Address	es nic	3b. Phone No (include area	code)	10 Field and Pool o	r Exploratory Are	ea ,
2130 W Bender Hobbs, NM	88240	575-738-173	€		Benson Queen	•	
Location of Well (Footage Sec., T.	R M or Survey Description	1)			11 Country or Paris Eddy County, N		
12 CHEC	CK THE APPROPRIATE BO	X(ES) TO INDI	CATE NATU	RE OF NOTIC	E. REPORT OR OT	HER DATA	
TYPE OF SUBMISSION			7	TYPE OF ACTI	ON		
Notice of Intent Subsequent Report	Acidize Acidize Alter Casing Casing Repair Change Plans	New C	re Treat onstruction nd Abandon	Recla Recon Temp	iction (Start/Resume) mation mplete orarily Abandon	☐ Well In	Shut-Off tegrity Change location proposed well
Final Abandonment Notice	Convert to Injection	Plug B	ack	☐ Water	Disposal		
following completion of the involviesting has been completed. Final determined that the site is ready for Arena Resources received notice approval to move the well to the UL B, Sec. 33, T18S, F125' FNL 1800 FEL. C102, Plat, Vicinity Map, Location	Abandonment Notices must be refinal inspection.) The that the original location of following location: R30E The Verification Map and Plant Pl	be filed only after of this proposed at showing propo	all requireme	archeological	reclamation, have be	en completed and	I the operator has
4 I hereby certify that the foregoing is to	rue and correct Name (Printed						
Colleen Robinson			Title Comp	liance Analyst			
Signature alluston	nson		Date 09/24/	2009			
	THIS SPACE	FOR FEDER	AL OR S	TATE OFF	ICE USE		
Approved by /s/ Lir	nda S.C. Rundell		Title	STATE D	DIRECTOR	FEB Date	5 2010
onditions of approval, if any, are attached nat the applicant holds legal or equitable to ntitle the applicant to conduct operations	itle to those rights in the subjec		tify	NM ST	TATE OFFIC		
Fitle 18 U S C Section 1001 and Title 43 intitious or fraudulent statements of repre	U.S.C. Section 1212, make it a		on knowingly				e United States any false

(Instructions on page 2)



VICINITY MAP



SCALE: 1" = 2 MILES

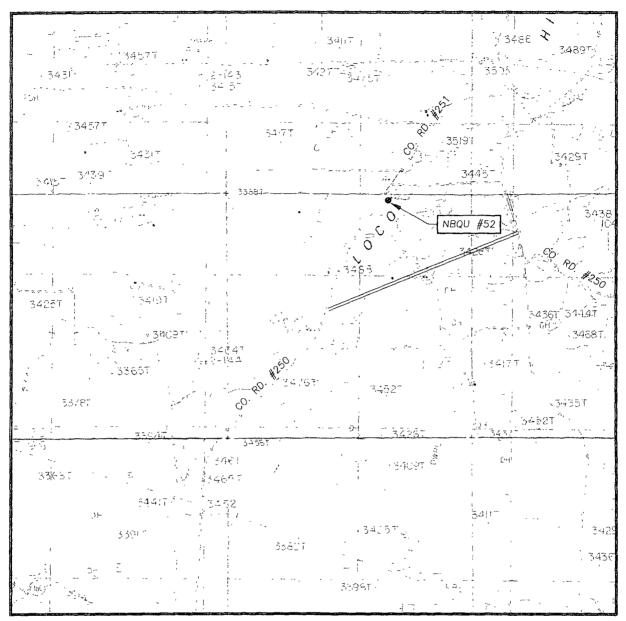
SEC. 33	TWP. 18	<u>3-S</u> RGE	E. <u>30</u> -	-E
SURVEY		v.м.Р.м.		
COUNTY	EDDY	STATE_N	IEW M	EXICO
DESCRIPTIO	N 125'	FNL &	1800	' FEL
ELEVATION_		3501	,	
OPERATOR_	ARENA	RESOUR	RCES,	INC.
1 FASE	,	NROLL		



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(575) 393-3117



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: HACKBERRY LAKE, N.M. - 10'

SEC. 33 TWP. 18-S RGE. 30-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 125' FNL & 1800' FEL

ELEVATION 3501'

OPERATOR ARENA RESOURCES, INC.

LEASE NBQU

U.S.G.S. TOPOGRAPHIC MAP

HACKBERRY LAKE, N.M.



PROVIDING SURVEYING SERVICES
SINCE 1946
FOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(575) 393-3117

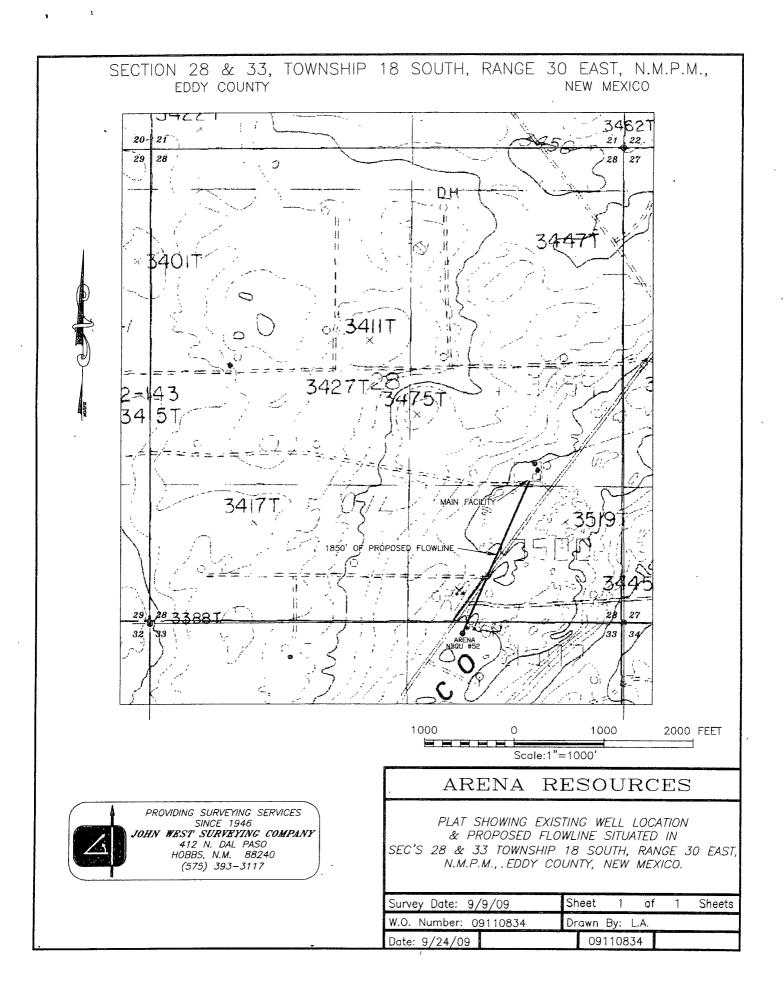
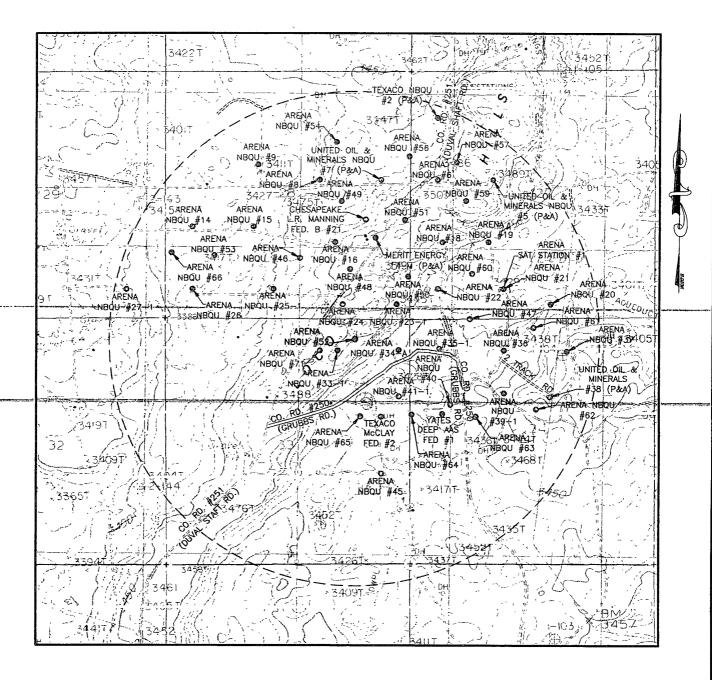


Exhibit 1



LEGEND

= = = DENOTES EXISTING ROADS

DENOTES COUNTY ROADS

DENOTES EXISTING WELLS

2000 0 2000 4000 FEET

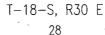
Scale:1"= 2000'

ARENA RESOURCES, INC.

TOPOGRAPHIC MAP OF ARENA NMBQU #52 IN SECTION 28, TOWNSHIP 18 SOUTH, RANGE 30 EAST, EDDY COUNTY, NEW MEXICO.

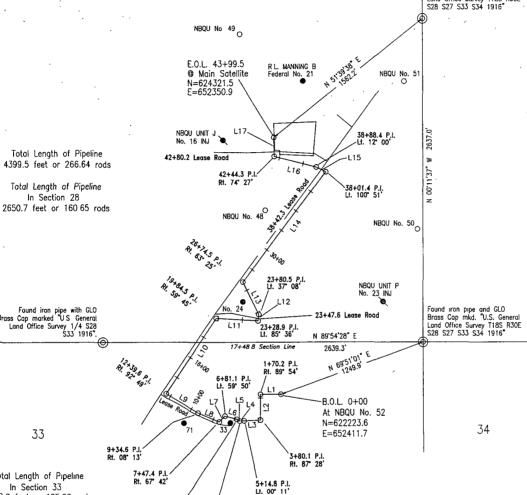
Survey Date: 6/	07/06	Sheet	1	of	1	Sheets
W.O. Number: 0	Drawn	By: /	AR			
Date: 4/04/08	RELATED W	0: 0811	0213	08	130444	

SECTION 28 & 33, TOWNSHIP 18 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY NEW MEXICO 20 21 .29 28 28 27 MAIN FACILITY 3250' OF PROPOSED FLOWLINE 28 33 34 1000 -1000 2000 FEET Scale:1."=1000' ARENA RESOURCES PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240 PLAT SHOWING EXISTING WELL LOCATION & PROPOSED FLOWLINE SITUATED IN SEC'S 28 & 33 TOWNSHIP 18 SOUTH, RANGE 30 EAST N.M.P.M., EDDY COUNTY, NEW MEXICO. (505) 393-3117 Sheet Sheets Survey Date: 6/7/08 W.O. Number: 08.13.1375 Drawn By: L.A. Date: 8/22/08 REL: 08.11.0213 08131375



27

Found iron pipe with GLO Brass Cap mkd. "U.S. General Land Office Survey T18S R30E S28 S27 S33 S34 1916"



Date Surveyed October 6-9, 2008

Total Length of Pipeline

Total Length of Pipeline In Section 28

Found iron pipe with GLO Brass Cap marked "U S General Land Office Survey 1/4 S28 S33 1916".

33

Total Length of Pipeline

In Section 33 1748.8 feet or 105.99 rods

Li Michael L. Stanford, New Mexaco Professional Surveyor No. 10324, do hereby certify that this Easement Survey Plot and the actual survey on the ground which it is based upon were performed by me or under my direct supervision, that I am responsible for this survey; that his survey meets the Minimum Standards for Surveying in New Mexaco; and that it is true and correct to the best of my knowledge and belief. I further certify that this survey is not a land division or subdivision as defined in the New Mexico Subdivision Act.

Surveyor's Namie Mexico 10324. Date 10-31-2008.

MCHAEL L STAN ESSIONAL

Coordinates and Bearings shown are based upon the New Mexico Coordinate System East Zone NAD 83 as derived from Statuc GPS connections to NGS CORS Stations NMRO Roswell, TXOD Odessa and TXLU Lubbock. All distances shown are surface values.

1500 Feet

Arena Resources, Inc. Easement Plat

for Propsed Flowline to the NBQU No. 52 Well

LINE	BEARING	DISTANCE
L1	S 89.58'48" W	170.2
L2	S 00°04'19" W	209.9'
L3	S 87'32'18" W	134.7
L4	S 87'21'20" W	37.7'
L5	N 56'43'16" W	25.0'
L6	N 75'18'02" W	103.6
L7	S 44.52'15" W	66 3'
L8	N 67'26'01" W	187 2'
L9	N 59°13'03" W	305 0'
L10	N 33'36'23" E	744 9'
L11	S 86*38'30" E	344 4'
L12	N 07°45'40" E	51 6'
L13	N 26'22'11" W	294.0'
L14	N 37'03'04" E	1126.9
L15	N 63'47'58" W	87.0'
L16	N 75'48'16" W	355.9'
L17	N 01'21'00" W	155.2

STANFORD SURVEYING COMPANY P.O. BOX 8490 MIDLAND, TEXAS 79708-8490 432-699-5708

Date	Surveyed	October	6-9,	2008

Sections 28 & 33, T18S, R30E, N.M.P.M., Eddy County, New Mexico Joshua Naumann 10-28-2008

1" = 500'

A-4138 FILE NAME

DRILLING PROGRAM NBQU #52

1. Geologic Name of Surface Formation

a. Permian

2. Estimated Tops of Geological Markers

0'
72' Possibly yeild hydrocarbons @ 1650'
86' Possibly yield hydrocarbons @ 2800'
O3' Possibly yield hydrocarbons @ 3200'
25'
00'

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 8 5/8" casing at 400' and circulating cement back to surface. Potash *I* fresh water sands will be protected by setting 5 1/2" casing at 3500' and circulating cement to surface.

3. Casing Program:

Hole	Depth	ODCsg	Weight	<u>Collar</u>	Grade	New/Used
Size 12 ¹ / ₄ 7.7/8	400° 3500°	8 5/8 5 ½				New * see attached spec sheet New
7 770	3300	3 72	15.5π	LICC	3-33	New

Safety factors: Burst 1.1 Collapse 1.125 Tension 1.8

4. Cement Program: (Note yields; and dv tool depths if multiple stages)

a. 8 5/8" Surface Circulate cement to surface with 240 sks Class C cement + 2% CaCI2 (wt. 14.8#/gal., Yield 1.34 Cuft/sk)

b. 5 1/2" Production Circulate cement to surface with lead cement from 3300' to surface with 350 sks 50:50 POZ class C + 2% Bentonite + 0.5% F.L. + 0.25 lb/sk LCM + 0.4%

anti foam (wt. 11.9 lbs/gal, Yield 2.06 cuft/sk)
Tail cement: 50 sks class "C" + 2% CaCl2 (wt.14.8)

lbs/sk, yield 1.34 cuft/sk) from \$500 tB 3300 f Land Management (s.

The above cement volumes could be revised pending the caliper measurement from the open hole logs. The top of cement is designed to reach surface.

SEP 8 2008

Certshad Field Office
Cartsbad, N.M.

1

5. Pressure Control Equipment:

The blowout preventer equipment (BOP) shown in Exhibit #A will consist of a (3M system) double ram type (3000 psi WP) preventer and a bag-type (Hydril) preventer (3000 psi WP) and rotating head. Both units will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and 3 1/2" drill pipe rams on bottom. The drilling head will be installed on the 8 5/8" surface casing and utilized continuously until total depth is reached. All BOP's and associated equipment will be tested to 1200 psi with the rig pump before drilling out the 8 5/8" casing shoe (70% of 23#, J-55 casing). Prior to drilling out the 8 5/8" casing shoe, the BOP's and Hydril will be tested as per BLM Drilling Operations Order #2.

Pipe rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily drillers log. A 2" kill line and 3" choke line will be incorporated in the drilling spool below the ram-type BOP. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines and choke manifold having a 5000 psi WP rating.

6. Proposed Wellbore Circulation System - Air and Foam

This well will be drilled with air and foam. The necessary foam/air products will be on location at all times.

0-400' - drilled with air

400-3500' - 2% KCL wtr w/2 gal. surfactant per every 24 bbls.

- The following equipment will be in place and operational during drilling:
- Properly lubricated & maintained rotating head
- Spark arresters on engines or water cooled exhaust
- Blooie line discharge will be 40 feet from the wellhead due to the allowed size of the location (80 X 125) yet securely anchored
- Straight run on blooie line
- Appropriate deduster equipment
- All cuttings and circulating medium shall be directed into a reserve or blooie pit
- Float valve above bit
- Automatic igniter or continuous pilot light on the blooieline, "vent n/a because will be drilling with heavy foam.
- Compressors located in the opposite direction from the blooie line yet will be less than 100 ft from the wellbore due to location size.
- Mud circulating equipment, water, and mud materials sufficient to maintain the capacity
 of the hole and circulating tanks.

In the event of needing to switch from air/foam to a mud drilling, the mud program on Exhibit B will be followed, and a closed loop system will be in place.

7. Auxiliary Well Control and Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- c. Hydrogen Sulfide detection equipment will be in operation after drilling out the 8 5/8" casing shoe until the 5 1/2" casing is cemented. Breathing equipment will be on location upon drilling the 8 5/8" shoe until total depth is reached.

8. Logging, Coring, and Testing Program:

- a. Drill stem tests will be based on geological sample shows.
- b. The open hole electrical logging program will be:
 - i. Total Depth to base of salt: Spectral Logs with Gamma Ray and Caliper.
 - ii. No coring program is planned
 - *iii.* Additional testing will be initiated subsequent to setting the 5 1/2" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows and drill stem tests.

9. Potential Hazards:

a. No abnormal pressures or temperatures are expected. If H2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order NO.6. A copy of the H2S Contingency Plan will be on location at all times. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 1500 psi and Estimated BHT 100°. No H2S is anticipated to be encountered.

10. Anticipated Starting Date and Duration of Operations:

a. Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 10 days. If production casing is run then an additional 90 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.

85/80.D.

Dimensions and Performance Data

40,000 P.S.I. MINIMUM YIELD 60,000 P.S.I. MINIMUM TENSILE

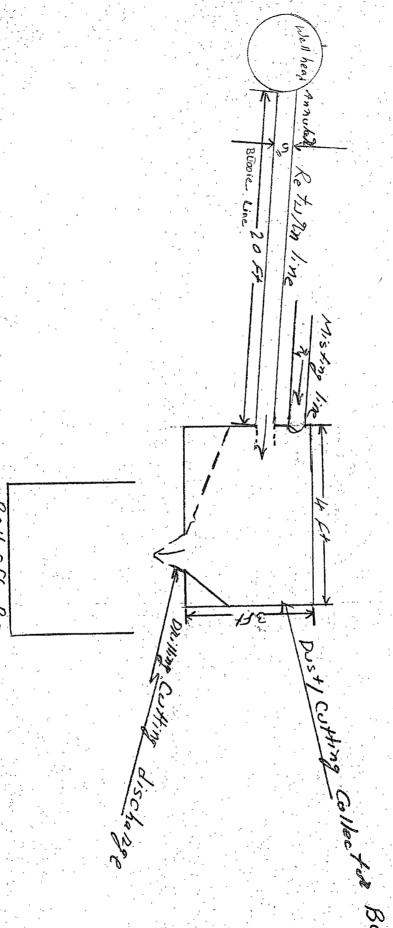
NOMINAL WEIGHT T&C	MINIMUM COILLAPSE P.S.I.	MAXIMUM SETTING DELTH FEET	MINIMUM JOINT STRENGTH 1000 LBS	EQUIVALENT LENGTH FEET	HYDROSTATIC TEST P.S.I.	MINIMUM INTERNAL YIELD P.S.I.
20 219		1000	155	7700	1500	1730
 23 . 250	1015	1800	200	8600	1800	2130
 26	1316	2830	226	8650	2000	2700
NOMINAL WEIGHT T&C	INSIDE DIAMETER	DRIFT DIAMETER	CHOSS- SECTION PIPE BODY SO IN.	CHOSS- SECTION CRITICAL AREA SO IN.	D/t HATIO	· I/D PATIO
20	8.187	8,062	5.783	3.888	39,38	.0254
23	8.125	8,000	6.577	4.663	34,50	,0289
 28	8.071	7.946	7.264	5,349	31.13	,0321

API SL-XSZ "

de met Run 23 below 1500"

3000psi -BOPE

Rotating Head Annular Adjustable Choke Pipe Ram 3" Gate Valve 2" Gate Valve 2" Gate Valve Adjustable Choke Choke Manifold Adjustable Choke



COBRA DRILLING FLUIDS, LLC

Arena Resources Inc Queen Prospect

Eddy County, New Mexico

Mud Program Summary

<u>Depth</u>	<u>Hole Size</u>	Casing Size	Mud Wt	<u>Viscosity</u>	Fluid Loss
0 – 400'	12-1/4"	8-5/8"	8.6-9.2	33-35	NC
400 – 2600'	7-7/8"		10.0-10.1	28-29	NC
2600 – 3500′	7-7/8"	5-1/2"	10.0-10.2	34-38	10-15cc

Potential Problems

Surface Interval 0-550'

- Poorly consolidated formation, may require higher than normal viscosity.
- Light seepage through water sands

Open Hole Interval 550'-2600'

- Evaporate salt causing washouts
- Moderate seepage
- Hole cleaning through Capitan sand interval. (1800'-2300'+)

Production Interval 2600'-3700'+

- Moderate loses
- Deviation

ANTICIPATED FORMATION TOPS

Anhydrite	330'	Seven Rivers	2060'
B/Salt	1500'	Queen	2800'
Yates	1700'	Grayburg	3100'

SURFACE INTERVAL

Interval:

0-550'

Hole Size:

12-1/4"

Casing Size:

8-5/8"

Total Days:

1

Mud Type:

Fresh Water GelNative

Properties:

Weight:

8.8 - 9.4 ppg

Viscosity:

 $32 - 34 \sec/1000cc$

Filtrate:

N/C

pH:

N/C

Interval Discussion:

Spud with a conventional Fresh Water Gel/Lime "spud mud". Circulate working pits, jetting to reserve as needed. Use native solids to maintain a 33-35 sec/1000cc viscosity. Use fresh water additions at flowline for volume and to maintain viscosity and mud weight in desired range. Add Paper 2-3 sacks every 100' to improve wall cake and clean hole through Red Bed and Sand intervals.

At total depth sweep hole with 5 gals. Vismaster. Circulate sweep out flowline prior to tripping out of hole to run surface casing.

Materials Consumption & Cost:

30 sx

Fresh Water Gel

20 sx

Paper

5 sx

Lime

1 Bkt

Vismaster

INTERMEDIATE INTERVAL

Interval:

550' -2600'

Hole Size:

7-7/8"

Casing Size:

Total Days:

2

Mud Type:

Brine

Properties:

Weight:

10.0 - 10.1

Viscosity:

28-29 sec/1000cc

Filtrate:

N/C

pH:

9.2-10

Interval Discussion:

Drill below surface casing with Brine, circulating a controlled portion of the reserve pit for gravitational solids removal. Use Brine to avoid excessive wash out and hole enlargement through salt interval. Mix Paper for seepage control. Use Caustic Soda for pH 9.5-10. Paper for seepage/sweeps 1-2 sacks per 100' or as needed to help clean hole. Possible sand stringers through this interval could require additional hole sweeps with Vismaster/Paper.

Materials Consumption & Cost:

1 cn

Vismaster

15 sx

Caustic

30 sx

Paper

PRODUCTION INTERVAL

Interval:

2600' - 3700'

Hole Size:

7-7/8"

Casing Size:

5-1/2"

Total Days:

2

Mud Type:

Salt gel/Starch

Properties:

Weight:

10.0 - 10.2

Viscosity:

34-38 sec/1000cc

Filtrate:

10-15cc

pH:

9.5-10.0

Interval Discussion:

At 2600' or as per Company orders split flowline and circulate working pits. Adjust pH with Caustic Soda. Mix Yellow Starch to lower water loss 15-20cc. Add Defoamer as needed.

Continue sweeping hole with Paper as needed. Suggest to raise viscosity 34-36 sec/1000cc with Salt Water Gel around 200-300' from total depth. Sweep hole at TD prior to logging and casing operations with Vismaster.

Materials Consumption & Cost:

50 sx Starch

10 sx Caustic Soda

1 cn Vismaster

100 sx Salt Water Gel

2 cn Defoamer



H2S CONTINGENCY PLAN ARENA RESOURCES, INC. NORTH BENSON QUEEN UNIT

PURPOSE

This plan is intended to protect the health and safety of the public, contractors and Arena Resources, Inc. (Arena) personnel should an unanticipated release of a potentially hazardous volume of Hydrogen Sulfide (H2S) occur.

Further to:

- Comply with the Bureau of Land Management's (BLM) Onshore Oil and Gas
 Operations Onshore Oil and gas Order No. 6, Hydrogen Sulfide Operations
 (43 CFR Part 3160).
- Comply with the State of New Mexico Oil Conservation Division's (NMOCD) Rule 19 NMC 15.C 118.
- Assure proper notification of the appropriate parties and agencies

SCOPE

The provisions of this document are intended to address Hydrogen Sulfide (H2S) releases and H2S emergencies at Arena Resources, Inc. production batteries, wells and all surrounding operated field locations in the North Benson Queen Unit. Facilities for which calculations indicate a potential hazardous volume of H2S could occur have additional site specific response information and radius of exposure drawn on the attached USGS topographic map. The production field is located approximately 7.2 miles South of Loco Hills, NM (Lea County).

DEFINITIONS

All Clear – Notification of effected personnel, by the response leader, that an incident has ended and the area is safe to re-enter.

A Potentially Hazardous Volume – a volume of Hydrogen Sulfide (H2S) gas of such concentrate that:

- The 100-ppm radius of exposure (ROE) includes any public area.
- The 500-ppm radius of exposure (ROE) includes any public road.
- The 100-ppm radius of exposure (ROE) exceeds 3,000 feet.

Facility – Equipment involved in producing, processing, or transporting natural gas and/or crude oil, including the property to the edge of the pad or fence.

Hydrogen Sulfide Gas (H2S) – an extremely flammable, colorless, poisonous gas that may occur naturally as a component of production streams, such as crude oil, produced water and natural gas. At low concentrations it also a rotten egg odor, but at higher concentrations deadens the sense of smell. Its specific gravity is heavier than air giving it a tendency to collect in low-lying areas on still days. The permissible exposure limit is 10 ppm and the short term exposure limit is 15 ppm. It is considered to be immediately dangerous to life and health at 300 ppm. H2S is readily dispersed in air and is water soluble.

ICS (Incident Command System) – A team based concept for emergency response in which roles and responsibilities are predetermined.

Incident Commander (IC) – Senior Arena Resources, Inc. employee in charge of an emergency response.

Incipient Stage Fire – A fire in the beginning or very early stages of development, which can be effectively extinguished by one or more persons with portable fire fighting equipment.

Muster Site – A pre-defined staging or meeting area.

RMS Level I – An emergency that can be reasonably addressed by the Hobbs Area Office in which the incident occurs and that can be resolved in approximately two days or less.

ROE (Radius of Exposure) – The radius constructed with the point of escape (of gas) as its starting point and its length calculated using the Pasquill-Gifford derived equation or computer modeling where the H2S concentration is greater than 10%.

PPM – Parts per Million

Public Area – Any building or structure that is not associated with the well, facility or operation for which the ROE is being calculated and that is used as a dwelling, office, place of business, church, school, hospital or government building, or any portion of a park, city, town, village, or designated school bus stop or other similar area where members of the public may reasonably be expected to be present.

Public Road – Any federal, state, municipal or county road or highway.

Serious Incident – An event which results or has the potential to result in severe personal injury and/or significant equipment damage.

Sulfur Dioxide (SO2) – A heavy colorless toxic gas that is formed when hydrogen sulfide is burned. It has a pungent odor and is a respiratory irritant. The permissible exposure limit is 2 ppm, the short term exposure limit is 5 ppm. It is considered to be immediately dangerous to life and health at 100 ppm. SO2 is readily dispersed in air and is water soluble.

Total Personnel Evacuation – An evacuation of all persons (contract employees, or visitors) from the emergency area to a muster area.

as and the supplemental control of the supplemental contro

THE PLAN

Training:

All personnel (company, contractors and sub-contractors) working in the field for Arena Resources, Inc. are required to complete hydrogen sulfide training before beginning work and annually thereafter.

Training on the contents of this plan shall be provided to all Arena Resources, Inc. and appropriate contract personnel working for Arena Resources, Inc.:

- whenever the employees' responsibilities or designated actions under the plan change,
- whenever the contents of the plan are changed/revised,
- whenever a new employee begins employment, and
- Periodically as needed for all employees.

Arena Resources, Inc. supervision is responsible for this training.

Orientation:

All persons visiting or working at the North Benson Queen Unit shall receive an orientation covering the following minimum items:

- What types of emergencies are possible,
- How to report an incident/emergency,
- Who will be in charge during an emergency,
- How to safely evacuate the area, and
- Where to assemble so that all persons can be accounted for.

The Arena representative responsible for the contractors or visitors shall conduct the orientations and shall document attendees and dates.

H2S Monitors:

All personnel working at the North Benson Queen Unit are required to wear a personal H2S monitor at all times when working in the area. Monitors should have a vibrating alarm if used in high noise areas.

Activation:

Phase I – activated when:

- 1. Sustained H2S concentration reaches 10 parts per million (ppm) in any work area and the source is not readily identified and/or controllable.
- Continuous H2S levels are detected at 10 ppm (or greater) at any public road, near an occupied residence or bus stop, and the source is not readily identified and/or immediately controlled.

Phase II – activated when:

- 1. A potentially hazardous volume of H2S is detected.
- 2. When sustained H2S concentrations exceed 50 ppm at any facility boundary.

Phase I:

Upon discover onsite personnel should:

- Make others on-site aware of the presence of H2S and leave the area upwind or crosswind to a safe location. (Pre-determine if a pre-job tailgate meeting was conducted).
- Prevent unauthorized persons from entering the area. Request assistance if needed.
- If a residence or other public area is in the vicinity, monitor for H2S to ensure exposure is less than 10 ppm. Notify supervisor if higher exposures are noted or if any other questions arise about steps necessary to protect these sensitive areas.
- If considering re-entering the area to assess the H2S source, ensure you have been properly trained to respond. Use an H2S monitor with digital display (preferably a multi-gas monitor) and have a supplied air respirator (SAR) and back up person with (SAR) readily available. Consider notification of supervisor if appropriate.
- Proceed with caution. If H2S concentration reaches 10 ppm in your breathing zone, back out and use SAR to re-enter. If H2S concentration reaches 50 ppm at the facility boundary, immediately notify supervision.

- If source can be safely controlled, monitor area to ensure H2S levels are below 10 ppm. End response here and sound all clear to allow others to reenter the area. Report length of release and volume to supervisor.
- If the source of H2S cannot be identified and/or controlled, or if you cannot do so without exposing yourself to danger, leave the area to a safe distance.
- Notify supervision.
- Continue to monitor for H2S and maintain site security until instructed by supervision to do otherwise.

Supervision:

- Gather necessary information to determine the course of action and level of response.
- Mobilize any additional manpower or equipment necessary.
- Ensure Phase II measures are implemented if appropriate.
- Continue to monitor situation until incident is over.
- Make notifications if required.
- Complete reports if required.
- Investigate as indicated.

Phase II

Upon discovery on-site personnel should:

- Make others on-site aware of the presence of H2S and leave the area upwind or crosswind to a safe location. (Pre-determined if a pre-job tailgate meeting was conducted.
- Prevent authorized persons from entering the area.

Notify Supervisor

Supervision:

- Mobilize the resources necessary to maintain site security and provide for the protection of personnel and the public
- Issue warnings to all Arena personnel by radio and/or phone to make them aware of the incident and its location. Have non-essential personnel leave the area. If deemed necessary, order total personnel evacuation of the area.
- Notify non-company personnel known to work or reside in the area. If
 necessary to ensure their safety, dispatch Arena personnel with the appropriate
 monitor, supplied air respirators and means of communication to these
 locations.
- Have Arena personnel set up road blocks to prevent unauthorized entry into impacted areas until relieved by law enforcement or other authorized personnel.
- Make appropriate notifications to NPC, Federal, State and local authorities.
- When the release has been contained and monitoring indicates the area is safe to re-enter, terminate operations and signal the all clear.
- Complete records if required.
- Investigate as indicated.

All other personnel not involved in the immediate response:

- If a total evacuation is ordered, report to the incident command center or nearest muster site to which you have safe access.
- Ensure all contract personnel working for you (or in your area) are accounted for and have them report to a safe muster site.
- Senior employee at each muster site should make a roster of all personnel reporting to that muster site and be prepared to make it available to the incident commander (IC).
- Maintain communication with the IC and be prepared to offer assistance as it is requested.

Ignition of H2S:

While no uncontrollable release of H2S is anticipated, should ignition of gas be necessary for the protection of personnel or the public, the determination would be made by the Arena Supervisor on location. The method of ignition will maintain the safety of the person performing this task as the primary concern. The most likely method would be the use of a flare gun from a safe distance.

If this becomes necessary, monitoring will include Sulfur Dioxide (SO2) in addition to H2S.

Coordination with State Emergency Plans:

Under certain conditions as provided for in the New Mexico Hazardous Materials Emergency Response Plan (HMER), the New Mexico State Police responding to the emergency may elect to assume the position of Field Incident Commander (FIC) or they may establish a Unified Command of which the Arena Field Incident Commander may be a key member. Under the Unified Command scenario, the Arena FIC shall cooperate with the other involved emergency responders, such as the New Mexico State Police, local fire department, City Police, Sheriff's Office, NMOCD or other appropriate public emergency response agencies to manage the effective and safe response to the emergency situation.

ARENA RESOURCES, INC. EMERGENCY CONTACTS

Contact	Office	Mobile	Bag	Home
Danny Palmer	(575) 738-1739	(575) 602-8595	(575) 631-4113	(575) 392-0063
Tony Tucker	(575) 738-1739	(575) 208-6792	(575) 208-6758	(575) 706-7216
Bob Akin	(575) 738-1739	(575) 390-8007	(575) 390-8007	(575) 394-0937

EMERGENCY SERVICES OUTSIDE SUPPORT PHONE NUMBERS

Hospital Name	Address	City	Phone Number
Lea Regional Hospital	5419 Lovington	Hobbs, NM	(575) 492-5000
	Highway		
Carlsbad Medical	2430 W. Pierce	Carlsbad, NM	(575) 887-4100
Center	St.		
Artesia General	702 N. 13th	Artesia, NM	(575) 748-3333
Hospital			
Nor-Lea General	1600 N. Main	Lovington, NM	(575) 396-6611
Hospital	Street		
Yoakum County	412 Mustang Dr.	Denver City, TX	(806) 592-5484
Hospital			
Brownfield Regional	705 E. Felt	Brownfield, TX	(806) 637-3551
Medical Center			
Covenant Health	4000 24 th Street	Lubbock, TX	(806) 725-6000
Systems			
Covenant Medical	2615 19 th Street	Lubbock, TX	(806) 725-1011
Center			
University Medical	602 Indiana	Lubbock, TX	(806) 743-3111
Center			

AMBULANCE	Phone Number
Hobbs, NM	911 or (575) 397-9308
Lovington, NM	911 or (575) 396-2811
Eunice, NM	911
Artesia, NM	911 or (575) 746-5050

AIR AMBULANCE	Phone Number
AEROCARE Methodist Hospital,	1-800-627-2376
Lubbock, TX	

POLICE

CITY	PHONE NUMBER
Artesia, New Mexico	911 or (575) 746-5000
Hobbs, New Mexico	911 or (575) 397-9265
Eunice, New Mexico	911 or (575) 394-2112
Lovington, New Mexico	911 or (575) 396-2811

SHERIFF

7	CITY/COUNTY	PHONE NUMBER
	Eddy County Sheriff – Artesia	(575) 746-9888
	Eddy County Sheriff – Carlsbad	(575) 887-7551

STATE HIGHWAY PATROL

CITY	PHONE NUMBER
Artesia, New Mexico	(575) 748-9718

FIRE DEPARTMENT

CITY	PHONE NUMBER
Artesia, New Mexico	911 or (575) 746-5050
Loco Hills, New Mexico	911 or (575) 677-2349
Carlsbad, New Mexico	911 or (806) 592-3516

AIRPORTS

CITY	PHONE NUMBER
Artesia Municipal Airport	(575) 748-3206
Lea County Airport – Carlsbad Hwy	(575) 393-4943
Lea County Lovington Airport	(575) 396-9911
Lubbock International Airport	(806) 762-6411
Midland International Airport	(432) 563-2033

GOVERNMENT AGENCIES

AGENCY	PHONE NUMBER
NMOCD – Artesia	(575) 370-7106
NMOCD – Santa Fe	(575) 827-7131
NMED - Air Quality Bureau	(575) 827-1494
NMED – OSHA	(575) 827-2850
Bureau of Land Management - Carlsbad	(575) 234-5972

POISON CONTROL CENTER	(800) 432-6866

MULTI POINT SURFACE USE AND OPERATIONS PLAN

Arena Resources, Inc.
North Benson Queen Unit No. 52

/25 428 FNL, 1175 FEL, Sec. 33, T18S, R30E

Eddy County, NM

Unit No.: NMNM70993X

This Plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan to be followed in rehabilitating the surface and environmental effects associated with operations.

1. Existing Roads:

- A. Attached is a topographic map showing the location of the proposed well as staked. The well site location is approximately 26.9 road miles South and West of Loco Hills, NM. Traveling West from Loco Hills on Hwy 82 and then SE on Hwy 360 and then NE on CR 251, there will be approximately 26.9 miles of existing paved road.
- B. Directions: Travel West from Loco Hills approximately 11.2 miles on Hwy 82, then South for 13.2 miles on Hwy 360. Then travel North on County Rd. 251 for 3.2 miles to the well site.

2. Planned Access Roads:

- A. Length and Width: 309' long and 20' wide.
- B. Construction: Any access to the proposed site will be constructed by grading and toping with 6" compacted caliche. The surface will be properly drained.
- C. Turnouts: As identified during BLM site visit.
- D. Culverts: None required.
- E. Cuts and fills: None required.
- F. Gates, Cattle guards: None required.
- G. Off lease right of way: None required.

3. Location of Existing Well:

Exhibit 1 shows all existing wells within a one-mile radius of this well.

4. Well Site Layout:

Attached is a copy of the well site layout (Exhibit 2) showing the location of the drilling rig, associated equipment and the location of the closed loop system equipment. The pad surface will be topped with 6 "compacted caliche and there will be no earthen reserve pits on location.

5. Plans for Restoration of the Surface:

After completion of drilling and/or completion operations, all equipment and other material not required for operations will be removed. The location will be cleaned of all trash and junk to leave the well site in an aesthetically pleasing a condition as possible. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible.

6. Location of Existing and / or Proposed Facilities:

- A. Arena Resources Inc. does operate a production facility in this unit.
- B. If the well is productive, contemplated facilities will be as follows:
 - 1) Production will be sent to the NBQU Central Facility located in the SE/4 of Section 28. The facility is shown on the attachment.
 - 2) All flow lines and piping will be installed according to API specifications.
 - Any additional caliche will be obtained from a BLM approved caliche pit. Any additional construction materials will be purchased from contractors.
 - 4) Proposed flow lines will follow an archaeologically approved route to the NBQU Central Facility. The flow line will be <u>SDR 11 2"</u> poly line laid on the surface and will be approximately 2000' in length.
 - 5) If the well is productive, rehabilitation plans will include the following:
 - a) This will be a closed loop system, cuttings will be stored on site until storage bins have reached capacity at which time cuttings will be hauled to a NMOCD approved facility
 - b) Sampling will not be required

7. Location and Type of Water Supply:

The well will be drilled with an air/foam system as outlined in the drilling program. The necessary mud products for weight addition and fluid loss will be on location at all times in the event it is needed. The water will be obtained from commercial water stations in the area and hauled to location by transport truck over the existing and proposed access roads. If a commercial fresh water source is nearby, fast line may be laid along existing road ROW's and fresh water pumped to the well. No water will be drilled on the location.

8. Source of Construction Materials:

All caliche required for construction of the drill pad and any proposed new access road will be obtained from a BLM approved caliche pit or the reserve pit.

9. Methods of Handling Water Disposal:

- A. Drill cuttings not retained for evaluation purposes will be disposed into an NMOCD approved disposal facility.
- C. Drill cuttings will be stored in the closed loop reserve tanks to be disposed of at a NMOCD approved facility.
- D. Water produced from the well during completion may be disposed into a steel tank. After the well is permanently placed on production, produced water will be collected in tanks at the NBQU Injection Facility and used for water flood purposes.
- E. Garbage and trash produced during drilling or completion operations will be collected in a trash bin and hauled to an approved landfill. All water and fluids will be contained within the close loop system and ultimately disposed of at the NGQU Injection Facility. No toxic waste or hazardous chemicals will be produced by this operation.
- F. After the rig is moved out and the well is either completed or abandoned, all waste materials will be cleaned up within 30 days. In the event of a dry hole only a dry hole marker will remain.

10. Ancillary Facilities:

No airstrip, campsite or other facilities will be built as a result of the operation on this well.

11. Surface Ownership:

- A. The surface is owned by the U.S. Government and is administered by the Bureau of Land management. The surface is multiple uses with the primary uses of the region for grazing of livestock and the production of oil and gas.
- B. The surface tenant for this site is: Jimmy Richardson / Jimmy Richardson Cattle Co. P.O. Box 487, Carlsbad, NM 88221.
- C. The proposed road routes and surface location will be restored as directed by the BLM.

12. Bond Coverage:

Bond Coverage is #NMB 000130.

13. Other Information:

- A. Topography: The proposed well site and access road are located on relatively flat terrain gently sloping to the South. The location has an elevation of 3506' GL.
- B. Soil: The topsoil at the well site is reddish sand mixed with a tan loam.
- C. Flora and Fauna: The location has a relatively poor grass covering of three awn (*Aristida spp.*) and dropseeds (*Sporobolus spp.*) along with plants of mesquite, yucca, broomweed, sage, cacti and miscellaneous weeds and wildflowers. The wildlife consists of rabbits, coyotes, antelope, deer, rattlesnakes, lizards, dove, quail and other wildlife typical of the semi-arid desert land.
- D. Ponds and Streams: None present.
- E. Residences and Other Structures: None present.
- F. Land Use: Cattle grazing.

G. Surface Ownership: The proposed well site and access road are on Federal surface and minerals.

14. Lessee's and Operator's Representative:

The Arena Resources Inc representative responsible for assuring compliance with the surface use plan is as follows:

David Chiles Production Supervisor Arena Resources Inc 2130 W. Bender Hobbs, NM 88240 575-738-1739 H.D. Hasten General Manager Arena Drilling Co. 207 SE Mustang Dr. Andrews, TX 79714 432-523-9993

Reviewed By:

Nagi Soas

District Operations Engineer Arena Resources Inc.

Date: 8/11/2008

I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access road proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and federal laws applicable to this operation; that the statements made in this APD package and the terms and conditions under which it is approved. I also certify that I, or Arena Resources Inc, 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 8th day of August 2008.

Signed:

Printed Name: Nagi Soas

Position: District Operations Engineer

Address: 2130 W. Bender Hobbs, NM 88240

Telephone: 575-738-1739

Email: nsoas@arenaresourcesinc.com

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	ARENA RESOURCES INC.
LEASE NO.:	LC-028978B
WELL NAME & NO.:	
SURFACE HOLE FOOTAGE:	125' FNL & 1800' FEL
BOTTOM HOLE FOOTAGE	
LOCATION:	Section 33, T. 18 S., R 30 E., NMPM
COUNTY:	Eddy County, New Mexico

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

General Provisions
Permit Expiration
Archaeology, Paleontology, and Historical Sit
Noxious Weeds
Special Requirements
Lesser Prairie Chicken
◯ Construction
V-Door
Notification (1997)
Topsoil
Closed Loop System
Federal Mineral Material Pits
Well Pads
Roads
Road Section Diagram
☑ Drilling
Air drilling
☐ Production (Post Drilling)
Well Structures & Facilities
Pipelines
Closed Loop System/Interim Reclamation
Tring I A ham down out /Displayment on

I. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Mitigation Measures: The mitigation measures include the Pecos District Conditions of Approval, the standard stipulation for permanent resource roads, the standard stipulation for surface pipelines and the standard stipulation for the Lesser Prairie Chicken.

The NBQU wells # 48, 49, 50, 53, 54, 56, and 60 are all located within the Hackberry Lake OHV Area boundary. The NBQU # 52, 62, 63, 64, and 67 are located outside of the boundary for the OHV.

Hackberry OHV Area

#52 is located outside of the Hackberry OHV area. Special requirements are not necessary.

Timing Limitation Stipulation/Condition of Approval for Lesser Prairie-Chicken:

Oil and gas activities including 3-D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

NBQU # 52: Closed Loop, Pit North V-Door South East

VI. CONSTRUCTION

V-DOOR SOUTHEAST.

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5972 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall stockpile the topsoil of the well pad. The topsoil shall not be used to backfill the reserve pit and will be used for interim and final reclamation.

C. Closed Loop System

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

If the operator elects to surface the access road and/or well pad, mineral materials extracted during construction of the reserve pit may be used for surfacing the well pad and access road and other facilities on the lease.

Payment shall be made to the BLM prior to removal of any additional federal mineral materials from any site other than the reserve pit. Call the Carlsbad Field Office at (575) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. ON LEASE ACCESS ROADS

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed thirty (30) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

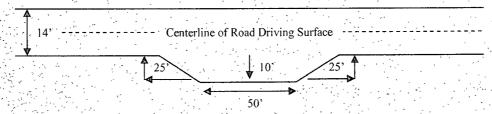
Ditching

Ditching shall be required on both sides of the road.

Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall be constructed on all blind curves. Turnouts shall conform to the following diagram:

Standard Turnout - Plan View

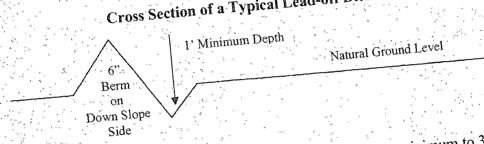


Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

ead-off ditch. Spacing interval shan 86 and off ditch. Spacing interval 400 foot road with 4% road slope:
$$\frac{400'}{4\%} + 100' = 200'$$
 lead-off ditch interval

Appropriately sized culvert(s) shall be installed at the deep waterway channel flow **Culvert Installations** crossing.

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed Cattleguards and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations.

A gate shall be constructed and fastened securely to H-braces.

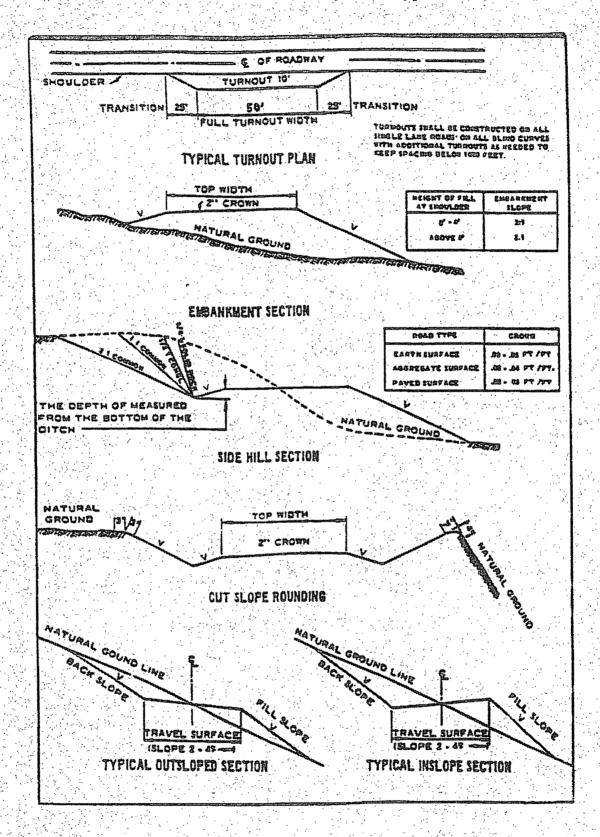
Fence Requirement

Where entry is required across a fence line, the fence shall be braced and tied off on both

The operator shall notify the private surface landowner or the grazing allotment holder sides of the passageway prior to cutting.

Public access on this road shall not be restricted by the operator without specific written prior to crossing any fence(s). approval granted by the Authorized Officer.

Figure 1 - Cross Sections and Plans For Typical Road Sections



VII. DRILLING - Drilling with Air/Foam

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

- 1. A Hydrogen Sulfide (H2S) Drilling Plan should be activated 500 feet prior to drilling into the Queen formation. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.
- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- 3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

B. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Possible lost circulation in the Artesia Group.

Possible water flows in the Artesia Group and brine flows in the Salado Group.

- 1. The 8-5/8 inch surface casing shall be set at approximately 400 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature run to verify the top of the cement.
 - b. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - c. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 5-1/2 inch production casing is:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to Secretary's Potash.
- 3. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a continuing drilling operations.

C. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53
- 2. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. The tests shall be done by an independent service company.
 - b. The results of the test shall be reported to the appropriate BLM office.

- c. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- d. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.
- e. No variance granted on BOP/BOPE test when running only two casing strings. Third party test required.

D. DRILLING MUD

Mud system will be air and foam. Due to location size, the minimum requirements for portions of the air drill equipment cannot be met. A variance is approved for the distance requirements for the blooic line and the compressor package providing that the 3M choke manifold is equipped with a remote choke to enable controlled bleeding of a gas volume. If the bleeding extends past a two hour period, the drilling medium is to be changed to a 10 ppg mud. No variance will be granted from using a 3M BOP/BOPE.

NOTE – any spray onto vegetation outside of the existing pad is to be reported immediately.

Operator has also proposed a water based mud system if needed.

E. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

WWI 100408

VIII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Containment Structures

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank, plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color Shale Green, Munsell Soil Color Chart # 5Y 4/2

B. PIPELINES

STANDARD STIPULATIONS FOR SURFACE INSTALLED PIPELINES

A copy of the APD and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

- 1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
- 2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.
- 3. The holder agrees to indemnify the United States against any liability arising from the

release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to activity of the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

- 4. The holder shall be liable for damage or injury to the United States to the extent provided by 43 CFR Sec. 2883.1-4. The holder shall be held to a standard of strict liability for damage or injury to the United States resulting from pipe rupture, fire, or spills caused or substantially aggravated by any of the following within the right-of-way or permit area:
- a. Activities of the holder including, but not limited to construction, operation, maintenance, and termination of the facility.
- b. Activities of other parties including, but not limited to:
 - (1) Land clearing.
 - (2) Earth-disturbing and earth-moving work.
 - (3) Blasting.
 - (4) Vandalism and sabotage.
- c. Acts of God.

The maximum limitation for such strict liability damages shall not exceed one million dollars (\$1,000,000) for any one event, and any liability in excess of such amount shall be determined by the ordinary rules of negligence of the jurisdiction in which the damage or injury occurred.

This section shall not impose strict liability for damage or injury resulting primarily from an act of war or from the negligent acts or omissions of the United States.

5. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil, salt water, or other pollutant should be discharged from the pipeline system; impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil, salt water, or other pollutant, wherever found, shall be the responsibility of the holder, regardless of fault. Upon failure of the holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including, where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve the holder of any responsibility as provided herein.

APAD A GARAGO SA PARA BARA BARA BARA BARA BARA BARA BAR
6. All construction and maintenance activity will be confined to the authorized right-of-
way width of 25 feet.
~~하면요.다
(독대문) : (10년 1일 - 1905년) - (11년 1일 - 1
7. No blading or clearing of any vegetation will be allowed unless approved in writing.
by the Authorized Officers and a second seco
8. The holder shall install the pipeline on the surface in such a manner that will minimize
suspension of the pipeline across low areas in the terrain. In hummocky of duney areas,
the pipeline will be "snaked" around hummocks and dunes rather then suspended across
these features.
하는 사람들 이 교수는 가장 마음을 보고 있는 것이 없는 사람들이 되었다. 그는 사람들은 사람들이 되었다.
9. The pipeline shall be buried with a minimum of <u>24</u> inches under all roads,
"two-tracks," and trails. Burial of the pipe will continue for 20 feet on each side of each
crossing. The condition of the road, upon completion of construction, shall be returned to
at least its former state with no bumps or dips remaining in the road surface.
10. The holder shall minimize disturbance to existing fences and other improvements on
public lands. The holder is required to promptly repair improvements to at least their

passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.

11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource

management practices.

former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the

- 12. Excluding the pipe, all above-ground structures not subject to safety requirement shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" **Shale Green**, Munsell Soil Color No. 5Y 4/2; designated by the Rocky Mountain Five State Interagency Committee.
- 13. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. Signs will be maintained in a legible condition for the life of the pipeline.
- 14. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway.

discovered by the holder, or any person working on his hehalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder.

(March 1989)

IX. INTERIM RECLAMATION & RESERVE PIT CLOSURE

A. INTERIM RECLAMATION

If the well is a producer, interim reclamation shall be conducted on the well site in accordance with the orders of the Authorized Officer. The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form 3160-5, prior to conducting interim reclamation.

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

The operators should work with BLM surface management specialists to devise the best strategies to reduce the size of the location. Any reductions should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be <u>no</u> primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The see mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

. '		b/acré
,		
٠.	Sand dropseed (Sporobolus cryptandrus)	1.0
	Sand love grass (Eragrostis trichodes)	1.0
;	Plains bristlegrass (Setaria macrostachya)	2.0

^{*}Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

X. FINAL ABANDONMENT & REHABILITATION REQUIREMENTS

Upon abandonment of the well and/or when the access road is no longer in service the Authorized Officer shall issue instructions and/or orders for surface reclamation and restoration of all disturbed areas.

On private surface/federal mineral estate land the reclamation procedures on the road and well pad shall be accomplished in accordance with the private surface land owner agreement.