Ul ED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010

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.

ELECTRONIC REPORTASE Serial No. 122IND2772

	000 101111 0100 0 (711 1	<i>5)</i> 101 000 p			UTE MOUNTAIN	,
SUBMIT IN TRII	PLICATE - Other instruc	tions on rev	erse side.	i Uunar	Unit or CA/Agree	ment, Name and/or No.
Type of Well		CATHERINE	SMITH	A EV.C.	8. Well Name and No. BARKER DOME 2 9. API Well No.	0
HUNTINGTON ENERGY LLC	30-045-11351-00	D-S1				
3a. Address 908 NW 71ST ST OKLAHOMA CITY, OK 73116	3		. (include area code) 0-9876 Ext: 129)-2011		10. Field and Pool, or I BARKER DOME	Exploratory
4. Location of Well (Footage, Sec., T Sec 21 T32N R14W SWNE 16	-		AF.M.	(K. 2)	11. County or Parish, a	
12. CHECK APPR	ROPRIATE BOX(ES) TO	INDICATE	NATURE OF 1	NOTICE, RI	EPORT, OR OTHER	RDATA
TYPE OF SUBMISSION			TYPE OI	ACTION		
Notice of Intent ☐ Subsequent Report	☐ Acidize ☐ Alter Casing	-	ture Treat	Reclama		☐ Water Shut-Off ☐ Well Integrity
Final Abandonment Notice	☐ Casing Repair☐ Change Plans☐ Convert to Injection☐		Construction g and Abandon g Back	☐ Recomp ☐ Tempor ☐ Water D	arily Abandon	Other
* Prior to work,	ally or recomplete horizontally, it will be performed or provide operations. If the operation repandonment Notices shall be fil inal inspection.) pectfully requests approvopy of the procedure is a SEE ATTACHED ONDITIONS OF APPROVO	give subsurface the Bond No. o sults in a multiple ed only after all ral to deepen ttached along	locations and measure file with BLM/BL/ le completion or recover requirements, included the above refered with a wellbore PRINTELLAND TO THE PRINTELLAND TO THE PRINTELLAND SERVICE AND SERVICE AND SERVICE TO THE PRINTELLAND SERVICE AND SERVICE TO THE PRINTELLAND SE	enced well 3 and survey NS2 WMK WMK WMK	extical depths of all pertin beequent reports shall be new interval, a Form 316 n, have been completed, a OO' RCVD FEB 1 OIL COMS.	ent markers and zones. filed within 30 days 0-4 shall be filed once and the operator has
•	Electronic Submission #	TON ENERGY	LLC, sent to the ENNA KAMPF on	e Durango		
Signature (Electronic S			Date 01/07/2			······································
	THIS SPACE FO	OR FEDERA	L OR STATE	OFFICE U	SE	
Approved By Conditions of approval, if any, are attache certify that the applicant holds legal or eq which would entitle the applicant to cond	uitable title to those rights in th		Title \(\int \)	ASC RES RIC	S FIELD OFFIC	Date 1 22 1
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent	U.S.C. Section 1212, make it		erson knowingly an	d willfully to m		

Revisions to Operator-Submitted EC Data for Sundry Notice #178459

Operator Submitted

BLM Revised (AFMSS)

Sundry Type:

DEEP

NOI

122IND2772 Lease:

DEEP NOI

122IND2772

Agreement:

Operator:

HUNTINGTON ENERGY, L.L.C.

908 N.W. 71ST ST.

OKLAHOMA CITY, OK 73116

Ph: 405-840-9876

HUNTINGTON ENERGY LLC

908 NW 71ST ST OKLAHOMA CITY, OK 73116 Ph: 405-840-9876

Fx: 4058402011

Admin Contact:

CATHERINE SMITH

REGULATORY

E-Mail: csmith@huntingtonenergy.com

Ph: 405-840-9876 Ext: 129 Fx: 405-840-2011

Tech Contact:

CATHERINE SMITH

REGULATORY

E-Mail: csmith@huntingtonenergy.com

Ph: 405-840-9876 Ext: 129

Fx: 405-840-2011

Location:

NM State:

County:

SAN JUAN

BARKER CREEK-DAKOTA

Well/Facility:

Field/Pool:

BARKER DOME 20

Sec 21 T32N R14W SWNE 1650FNL 2310FEL

CATHERINE SMITH

REGULATORY E-Mail: csmith@huntingtonenergy.com

Ph: 405-840-9876 Ext: 129 Fx: 405-840-2011

CATHERINE SMITH

REGULATORY

E-Mail: csmith@huntingtonenergy.com

Ph: 405-840-9876 Ext: 129

Fx: 405-840-2011

NM SAN JUAN

BARKER DOME

BARKER DOME 20 Sec 21 T32N R14W SWNE 1650FNL 2310FEL

Huntington Energy, L.L.C.

908 N.W. 71st St. Oklahoma City, Oklahoma 73116 (405) 840-9876

Barker Dome #20 1650' FNL & 2310' FEL Sec 21-32N-14W San Juan Co., NM API # 30-045-11351

Procedure to Deepen 300' to Lower Dakota

- 1. MIRU WOR & pump truck. Install 3000 psi BOP's Hyd.
- 2. Load backside and test casing to 500 psi. Rel Pressure. ~
- 3. Rel Packer @ 2224'. TOOH w/tubing and packer. LD tubing in singles.
- 4. PU 4 3/4" bit, 4 3 1/2" drill collars and 2 3/8" work string. TIH to TD @ 2400°. Stage into hole & join remaining wtr from casing and open hole.
- 5. RU power swivel and air unit. Est cir w/air & mist.
- 6. Drill open hole, new hole, from 2400' to 2700'.
- 7. Cir hole clean w/air and mist. TOOH. LD work string, BHA and bit.
- 8. PU shoe 4 ½", 1 jt FC and balance of 4 ½" 15.5 FL4S J-55 casing & set at total depth. Circ hole clean w/air w/csg on bottom.
- 9. MIRU pump company. Pump cmt job. Job to be supplied. Displace cement job w/2% KCl wtr. Bump plug. RD & rel pump company. ✓

Barker Dome #20

CURRENT

SWNE Sec 21-32N-14W San Juan County, New Mexico 1650' FNL & 2310' FEL

Change of Operator eff. 10/1/12

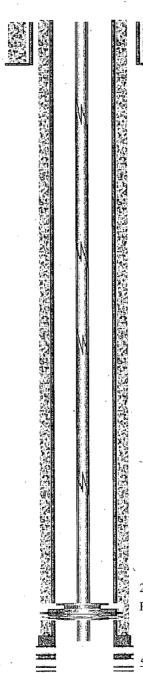
Today's Date: 10/25/12 Spud: 12/15/1949 Completed: 1/04/1950 API: 30-045-11351

Latitude: Longitude:

Tops:

Point Lookout 49' Mancos 400' Gallup 1439' Greenhorn 2158' Graneros 2213' Two Wells 2277' Paguate 2312' Lwr Cuebero 2335' **Encinal Canyon** 2394'

PERFS: 2284'-2335'



6249' GL

10 3/4" set at 90' (95' KB); 80 sx cmt: Cmt to surface

2 3/8" 4.7# J-55 tbg 76 jts,at 2224' KB Packer @ 2224' KB. End of tbg @ 2325'

5 1/2" 15.5# csg, ID 4.95", set @ 2284'; 120 sx cmt

Note: Well Open Hole from 2284'-2400'

TD: 2400'

Barker Dome #20

PROPOSED

SWNE Sec 21-32N-14W San Juan County, New Mexico 1650' FNL & 2310' FEL

Change of Operator eff. 10/1/12

Today's Date: 10/25/12 Spud: 12/15/1949 Completed: 1/04/1950 API: 30-045-11351



6249' GL

10 3/4" set at 90' (95' KB); 80 sx cmt: Cmt to surface

Tops:

Point Lookout 49' Mancos 400' Gallup · 1439' Greenhorn 2158' Graneros 2213' Two Wells 2277' Paguate 2312' Lwr Cuebero 2335' **Encinal Canyon** 2394' Morrison 2425

existing perfs: 2284'-2335'

Proposed Perfs:To be determined

2 3/8" 4.7# J-55 tbg 76 jts,at 2224' KB Packer @ 2224' KB. End of tbg @ 2325'

5 1/2" 15.5# csg, ID 4.95", set @ 2284'; 120 sx cmt

4 1/2" 15.5# FL4S J-55 casing. Set at 2700'.

(Cement job to be supplied.) (Current TD of well is 2400')

TD @ 2700'

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

¹ API Number

30-045-11351

⁴ Property Code

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

Well Number

³ Pool Name

Barker Creek - Dakota

WELL LOCATION AND ACREAGE DEDICATION PLAT

⁵ Property Name

² Pool Code

71520

306894		BARKER DOME							20		
⁷ OGRID N	Vo.	⁸ Operator Name						,	, Elevation		
208706				· · · · · ·	HUNTINGTON ENERGY, L.L.C.						6249'
	·	1				• Surface]					·
UL or lot no.		Township	-	Range	Lot 1	1	1	F	eet from the	East/West line	County
G	21	32-N		<u> </u>		1650	NORTH		2310	EAST	SAN JUAN ~
			· 11	Botto	m H	ole Location If	Different Fron	a Su	rface		
UL or lot no.	Section	Township	p F	Range	Lot 1	dn Feet from the	North/South line	F	eet from the	East/West line	Count
							``	· .		RCVD FED	
Dedicated Acres	¹³ Joint o	r Iofill	14 Consolid	lation Co	ode 1	Order No.				uil Cum:	
NE-160			l								. 3
No allowable v	will be as	signed to	o unis co	mpieno	on unu	an interests have	been consolidated	or a:			
						•		Ì	!	RATOR CERT the information contained hi	
				•						e and beilef, and that this or	-
									working interest or a	nleased mineral interest in	he land including the prop
			· 1	1650'					· ·	well at this location pursua	
				1	1 1	*			a contract with an owner of such a mineral or working interest, or to woluntary pooling agreement or a computsory pooling order heretofol		
•									by the division.		Oung trues net dojure end
					1	•			and.	- X 4	f 1/07/13
`					1 1				Signature	~ () () ()	Date
						2240					
				•		2310'			Catherine Smith Printed Name		
						**				-	
								. /	_csmith@huntington E-mail Address	nenerey.com	-
						<u></u>					
			:	21		`			"SURVE	YOR CERT	IFICATION
	•				}		·		I hereby certify	that the well location .	shown on this plat we
					I	Lat: 36.97611N			plotted from fiel	d notes of actual surv	eys made by me or u
						ng: -108.31499W			my supervision,	and that the same is i	rue and correct to th
					1	NAD 27			best of my belie	f.	
					1						
<u> </u>		 			+				Date of Survey		
				•				•	Signature and Se	al of Professional Surve	yor:
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OGOR.11: Production History for well 20 BARKER with API 300451135100S1

PERIOD	STATUS D	AYS	OIL PROD	GAS PROD WATER PROD	MMS IID	MMS OPERATOR
2012-10 2012-09 2012-08 2012-06 2012-05 2012-04 2012-03 2012-02 2012-01 2011-12 2011-11 2011-10 2011-05 2011-04 2011-03 2011-04 2011-03 2011-01 2010-10 2010-01 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2010-09 2009-04 2009-04 2009-01 2008-01 2008-09 2008-09 2008-09 2008-07	\$180 \$180 \$180 \$180 \$180 \$180 \$180 \$180	ATS 000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	I22IND2772 I22IND2772 I22IND2772 I22IND2772 I22IND2772 I22IND2772 I22IND2772 I22IND2772 I22IND2772 I22IND2772	HUNTINGTON ENERGY LLC BURLINGTON RESOURCES OIL & GAS

22-Jan-2013 14:34 Page 1

OGOR.11: Production History for well 20 BARKER with API 300451135100S1

				* ,		
PERIOD	STATUS DAYS	,	OIL PROD	GAS PROD WATER PROD	MMS IID	MMS OPERATOR
2008-06	PGW 30		0	· 335 0	I22IND2772	BURLINGTON RESOURCES OIL & GAS
2008-05	PGW 4		Ŏ		1221ND2772	BURLINGTON RESOURCES OIL & GAS
2008-04	PGW 30		Õ		122IND2772	BURLINGTON RESOURCES OIL & GAS
2008-03	PGW 31		ñ.		I22IND2772	BURLINGTON RESOURCES OIL & GAS
2008-02	GSIA DO		0.00		122IND2772	BURLINGTON RESOURCES OIL & GAS
2008-01	PGW 31		ŏ		1221ND2772	BURLINGTON RESOURCES OIL & GAS
2007-12	PGW 31		. 0		122IND2772	BURLINGTON RESOURCES OIL & GAS
.2007-11	PGW 30		ñ		I22IND2772	BURLINGTON RESOURCES OIL & GAS
2007-10	PGW 31		ñ		I22IND2772	BURLINGTON RESOURCES OIL & GAS
2007-09:	PGW 30		- 0 1.		~I22IND2772	BURLINGTON RESOURCES OIL & GAS
2007-08	PGW 31		Ŏ		122IND2772	BURLINGTON RESOURCES OIL & GAS
2007-07	PGW 31		ň		122IND2772	BURLINGTON RESOURCES OIL & GAS
2007-06	PGW 30		Õ		I22IND2772	BURLINGTON RESOURCES OIL & GAS
2007-05	PGW 31		ñ		I22IND2772	BURLINGTON RESOURCES OIL & GAS
2007-04	PGW 30		õ		122IND2772	BURLINGTON RESOURCES OIL & GAS
2007-03	PGW 31				1221ND2772	BURLINGTON RESOURCES OIL & GAS
2007-02	PGW 28		Ô		1221ND2772	BURLINGTON RESOURCES OIL & GAS
2007-01	PGW 31		Ď ×		I22IND2772	BURLINGTON RESOURCES OIL & GAS
2006-12	PGW 31		Ō		I22IND2772	BURLINGTON RESOURCES OIL & GAS
2006-10	PGW 31		. 0		I22IND2772	BURLINGTON RESOURCES OIL & GAS
2006-09	PGW 30		Ō	483 0	1221ND2772	BURLINGTON RESOURCES OIL & GAS
2006-08	PGW 31		× 0		122IND2772	BURLINGTON RESOURCES OIL & GAS
2006-07	PGW 31		0	717	*I22IND2772	BURLINGTON RESOURCES OIL & GAS
2006-06	PGW 30		0		* 22 ND2772 22 ND2772	BURLINGTON RESOURCES OIL & GAS
2006-05	PGW 31		0,	696 0	l22IND2772	BURLINGTON RÉSOURCES OIL & GAS
2006-04	PGW 30		o [*]	672 0	I22IND2772	BURLINGTON RESOURCES OIL & GAS
2006-03	PGW 31		0 .	709 0	1221ND2772	BURLINGTON RESOURCES OIL & GAS
2006-02	PGW: 28		0		122IND2772	BURLINGTON RESOURCES OIL & GAS : 150
2006-01	PGW 31.	· · · · ·	0	438	122IND2772	BURLINGTON RESOURCES OIL & GAS
2005-10	PGW 31		0 .	655	1221ND2772	BURLINGTON RESOURCES OIL & GAS
2005-09	PGW 30		0	644 0	1221ND2772	BURLINGTON RESOURCES OIL & GAS
2005-08	PGW 31		. 0	679 0	122IND2772	BURLINGTON RESOURCES OIL & GAS
2005-07	PGW 31		0	679 0	1221ND2772	BURLINGTON RESOURCES OIL & GAS
2005-06	PGW 30		0 - 🗈	선생 19689 - 1일 1925 25 0	₹I22IND2772	BURLINGTON RESOURCES OIL & GAS
2005-06	PGW 30				122IND2772	BURLINGTON RESOURCES OIL & GAS
2005-05	PGW 31		0		122IND2772	BURLINGTON RESOURCES OIL & GAS
. 2005-05	PGW 31		0		I22IND2772	BURLINGTON RESOURCES OIL & GAS
2005-04	PGW 30		0		I22IND2772	BURLINGTON RESOURCES OIL & GAS
2005-04	PGW 30		0	560 0	1221ND2772	BURLINGTON RESOURCES OIL & GAS
				•		

22-Jan-2013 14:34 Page 2

Huntington Energy, L.L.C. Tribal Lease: I-22-IND-2772

Well: Barker Dome #20

Location: 1650 FNL & 2310' FEL Section 21, T. 32 N., R. 14 W. San Juan County, New Mexico

Conditions of Approval: Sundry Notice to Recomplete:

- 1. No activities may take place outside of the originally disturbed surface area.
- 2. Within 30 days of the recompletion, submit to this office a Sundry Notice, Subsequent Report of all activities that took place. Daily drillers or activities reports should be provided. Please enclose a revised wellbore diagram with formation tops.
- 3. Submit a copy of all logs run during the recompletion of this well.

Company	,	Southe Barker	ern Unio	n Prod			PY	
Sec	21.	т. 32	2. N., R	14.	W., 1	I.M.P.M.	. <i>.</i>	
Location	2310 Bein	'West	& 1650' enter of	South	from	re Cor	Sec.	21
San Juai	-	-				Mexico	•	
							•	,
	· 1		0.			1		

Sec. 23/0'

Scale-4 inches equals 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal:

Registered Professional
Engineer and Land Surveyor.

Farmington, New Mexico

Surveyed September 23, 19 49.

RECEIVED

OCT 1 1949

ARTESIA, NEW MEXICO

HALLIBURTON

Huntington Energy LLC Ebiz Do Not Mail-908 N W 71st St Oklahoma City, Oklahoma 73116

Barker Dome #20

San Juan County, New Mexico United States of America S:21 T:32N R:14W

Cement Recommendation

Prepared for:

David Herritt

Office Number:

405-84-8386

Email Address:

dherritt@hutingtonenergy.com

December 10, 2012

Version: 1

Submitted by: Ryan Keeran Halliburton 4109 E Main Farmington, New Mexico 87499 (505) 592-2317

HALLIBURTON

Job Information

4 1/2" Flush Joint Production Casing

Well Name: Barker Dome Well #: #20

5 1/2" Production Casing 0 - 2284 ft (MD)

Outer Diameter 5.500 in
Inner Diameter 4.950 in
Linear Weight 15.50 lbm/ft

Casing Grade J-55

4 3/4" Open Hole 2284 - 2700 ft (MD)

Inner Diameter 4.750 in Job Excess 50 %

4 1/2" Flush Joint Production Casing 0 - 2700 ft (MD)

Outer Diameter 4.500 in Inner Diameter 4.026 in Linear Weight 11 lbm/ft Casing Grade J-55

Calculations

4 1/2" Flush Joint Production Casing

Spacer:

1984.00 ft * 0.0232 ft³/ft * 0 % = 46.02 ft^3 Total Spacer = $56:15 \text{ ft}^3$ = 10.00 bbl

Cement: (716.00 ft fill)

 $300.00 \text{ ft * } 0.0232 \text{ ft}^3/\text{ft * } 0 \%$ = 6.96 ft³ $416.00 \text{ ft * } 0.0126 \text{ ft}^3/\text{ft * } 50 \%$ = 7.87 ft³ Lead Cement = 14.83 ft³ = 2.64 bbl

Shoe Joint Volume: (40.00 ft fill)

40.00 ft * 0.0884 ft³/ft = 3.54 ft³ = 0.63 bbl Tail plus shoe joint = 18.36 ft³ = 3.27 bbl

Total Tail

Total Pipe Capacity:

 $2700.00 \text{ ft} * 0.0884 \text{ ft}^3/\text{ft}$ = 238.69 ft³ = 42.51 bbl

'-

Displacement Volume to Shoe Joint:

Capacity of Pipe - Shoe Joint = 42.51 bbl - 0.63 bbl

= 41.88 bbl

= 14 sks

Job Recommendation

4 1/2" Flush Joint Production Casing

Fluid Instructions

Fluid 1: Water Spacer

Fresh Water Spacer

Fluid Density:

8.33 lbm/gal

Fluid Volume:

10 bbl

Fluid 2: Lead Cement

50/50 Poz Premium

0.1 % CFR-3 (Dispersant)

0.4 % Halad(R)-344 (Low Fluid Loss Control)

0.4 % Halad(R)-413 (Low Fluid Loss Control)

Slurry Yield:

13.50 lbm/gal 1.29 ft³/sk

Total Mixing Fluid:

5.66 Gal/sk

Top of Fluid:

Fluid Weight

1984 ft

Calculated Fill:

716 ft

Volume:

3.27 bbl

Calculated Sacks:

14.21 sks

Proposed Sacks:

20 sks

Fluid 3: Water Based Spacer

Displacement

Fluid Density:

8.33 lbm/gal

Fluid Volume:

41.88 bbl

Job Procedure

4 1/2" Flush Joint Production Casing

Detailed Pumping Schedule

Fluid#	Fluid Type	Fluid Name	Surface Density lbm/gal	Estimated Avg Rate bbl/min	Downhole Volume
1	Spacer	Fresh Water Spacer	8.3		10 bbl
2	Cement	Primary Cement	13.5		20 sks
3	Spacer	Displacement	8.3		41.88 bbl