Form 3160-5 (August 2007)

## **UNITED STATES** DEPARTMENT OF THE INTERIOR

OCD-ARTESIA

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

	5. Lease Serial No.						
SUNDR	NMNM27	18					
Do not use abandoned	6. If Indian, Allottee	or The Emilie LIVEL					
SUBMIT IN	7. If Unit or CA/Agr	eement, Manay and Grago. 2010					
1. Type of Well		NIMOOD ADTEC					
Oil Well Gas Well	8. Well Name and N GISSLER E	NMOCD ARTES					
2. Name of Operator BURNETT	9. API Well No.						
3a. Addres 801 CHERRY STREE	30-015-375	96 S1					
UNIT #9 FORT WORTH,	10. Field and Pool, or Exploratory Area						
4. Location of Well (Footage, Sec., T., R.	08	LOCO HILLS GLORIETA YESO					
UNIT I, 1650' FSL, 33	J' FEL, SEC 8, 117	5, R30E- SURF &	BIM HOLE	11. County or Parish, State EDDY COUNTY, N.M.			
12. CHECK AP	PROPRIATE BOX(E	S) TO INDICATE NAT	TURE OF NOTICE, REPO	ORT, OR OTHE	R DATA		
TYPE OF SUBMISSION			TYPE OF ACTION				
	Acidize	Deepen	Production (Start/Resume)	Water Shut-C	Off		
Notice of Intent	Alter Casing	Fracture Treat	Reclamantion	Well Integrit	у		
Subsequent Report	Casing Repair	New Construction	Recomplete	Other 1	IEW WELL		
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporarily Abandon				
I man Production Tropics	Convert to Injection	Plug Back	Water Disposal	Water Disposal			
3/16/2010 MIRU unit, RIH w/k POOH with all. 3/17/10 RU w 5158',5165,5259',5273',5287' 3/18/10 Acidize these perfs w slickwater frac w/1,232,070 g BOP., 3/23/2010 RIH w/5006' 3/28/2010 First production of on the lease. 4/01/2010 24 h	rireline. Perforate ( ,5290',5294',5297', /2,500 gals 15% No als water, 30,000# (156 jts) 2-7/8" 6.5 of 173 BO, 1260 BV Hour test 157 BO, 1	© 5062',5070',5088' 5300' and 5303'-tota eFe acid. POOH w/ 100 mesh white san :0# J55 R2 EUE T& V, 125 MCFG pump 507 BW, 170 MCFG	,5091',5095', 5100',51 al 44 holes @ 2 SPF. I tbg & pkr. ND BOP, N d, 396,978#'40/70 sar C tubing & submersib ing to the <b>Pool comm</b> G.	04', 5107', 512 RD W/L, RIH v U frac valve. 3 nd. 3/22/2010 le pump. ingled Gissle	21 <sup>1</sup> ,5146 <sup>1</sup> ,5152 <sup>1</sup> ,5155 <sup>1</sup> , v/ tbg and pkr TO 5010 <sup>1</sup> v/ <b>19/10</b> RU CUDD, ND Frac valve. NU r B 5 Tank Battery		
This is the first of three plan work is completed.	·	and fracture jobs . '		ACCEPTED APP	FOR RECORD		
<ol> <li>I hereby certify that the foregoing is t Name (Printed/Typed)</li> </ol>	rue and correct.)	1		DIDEALL	OF LAND MANAGETTE		
	(A. JACOBY	Title	ENGINEERING MA	MAGER CARL	SBAU FIELD		
Signature Mark a	hestra	Date	4/07/	2011	2		
$\mathcal{O}$	THIS PACE	FOR FEDERAL O	R STATE OFFICE U	SE			
	-						
Approved by Conditions of approval, if any, are attache the applicant holds legal or equitable title applicant to conduct operations thereon.	d. Approval of this notice do to those rights in the subject	es not warrant or certify that lease which would entitle the	Title Office	Date			
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent sta	U.S.C. Section 1212, make i tements or representations a	t a crime for any person know s to any matter within its juris	ringly and willfully to make to an diction.	y department or agen	cy of the United		

WELL NAME AND NUMBER		
	S, R30E, Unit I, 1650 FSL, 3	30 FEL, Eddy County
OPERATOR Burnett Oil Co		
DRILLING CONTRACTOR _	United Drilling, Inc.	
		representative of the drilling contractor
	well and had conducted devi	ation test and obtained the following
results:		
Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
1/2 @ 399'		Dogitos (c. Dopui
1 1/2 @ 871'		
2 @ 1346'		
1 1/2 @ 1661'		
1 @ 2137'		
1/4 @ 2612'		
3/4 @ 3094'		
1/2 @ 3569'		
1 @ 4044'		
3/4 @ 4520'	₹	
1 @ 4995'		
3/4 @ 5470'		
3/4 @ 5855'		
••		
	Drilling Contractor-	UNITED DRILLING, INC.
•		
	By:	(Music Herrege)
		(Luisa Noriega)
	Title:	Assistant Office Manager
Subscribed and s	worn to before me this 8th	day of March 2010
buoserroed and sv	voin to before the this <u>b</u>	day of 77 m 3 2010.
		Carles Warten
		Notary Public
		Notary Public - Chaves New Mexico
My Commission Expires:	10-8-12	County State

# CORE ANALYSIS REPORT

-----FOR----

BURNETT OIL COMPANY, INC.

GISSLER B NO. 58 LOCO HILLS FIELD EDDY COUNTY, NEW MEXICO

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom; and for whose exclusive and confidential use; this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories (all errors and omissions excepted); but Core Laboratories and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or formation in connection with which such report is used or relied upon.



**Petroleum Services Division** 

2001 Commerce Midland, Texas 79703 Tel: (432) 694-7761 Fax: (432) 694-3191 www.corelab.com

March 9, 2010

BURNETT OIL COMPANY, INC. 801 Cherry Street Suite 1500 Fort Worth, Texas 76102-6815

File No: 57181-19711

Subject: Drilled Sidewall Analysis

Gissler B No. 58 Loco Hills Field

Eddy County, New Mexico

### Gentlemen:

Sidewall Core Analysis was made on 24 drilled sidewall core samples received from Halliburton.

Samples were photographed under both ultraviolet and natural light. Digital core photographs are contained on CD.

Gas expansion porosity and grain density were determined using Boyle's Law. Saturation data and cleaning was obtained using Dean Stark distillation.

 $\mbox{\sc Gas}$  detection was measured using a "Hot Wire Gas Detector" on gas in the sealed containers.

Air permeability was measured horizontally on drilled sidewalls.

Descriptions and fluorescence were visually determined microscopically.

The samples will be sent to The University of Texas to the attention of F. Jerry Lucia/Geological Consultant at request of Larry Galbiati.

We trust these data will be useful in the evaluation of your property and thank you for the opportunity of serving you.

Very truly yours, CORE LABORATORIES

John Sebian

Laboratory Supervisor

JS/yn

# CORE LABORATORIES

Company : BURNETT OIL COMPANY, INC.

Field

: LOCO HILLS FIELD

File No.: 57181-19711

: GISSLER B NO. 58

Formation

: VARIOUS Date : 3/09/10

Location: 1650'FSL & 330'FEL, SEC. 8, T-17-S, R-30-E, UNIT 1 Coring Fluid: BRINE Co, State: EDDY COUNTY, NEW MEXICO

Elevation

API No.: 30-015-37596 Analysts: SEBIAN

: 3693' KB

CORE ANALYSIS RESULTS

SAMPLE	DEPTH	INCHES	PERMEABILITY	POROSITY	SATUR	RATION	SATUR	RATION	GRAIN	GAS	DESCRIPTION
NUMBER	)	REC.	(HORIZONTAL)	(HELIUM)		VOLUME)		VOLUME)		DETECTOR	
	ft		Kair md	%	OIL %	WATER %	01L %	GAS %	gm/cc	UNITS	
DRILLED SIDEWALL ANALYSIS .											

						GRAYBU	RG FORMATIO	N			
1	2629.0	1.8	0.29	8.9	0.0	85.5	0.0	1.3	2.72	0.	Sd,red,vf gr,0% flu no cut
2	2680.0	2.0	0.03	6.4	12.7	77.8	0.8	0.6	2.70	1.	Sd, lt gry,vf gr,dol, lam,10% gold flu
3	2726.0	2.0	0.01	4.0	0.0	92.9	0.0	0.3	2.72	0.	
4	2782.0	1.8	<.01	3.5	6.8	81.6	0.2	0.4	2.85	1.	Dol,sl sndy,tr% brt yel flu tr cut
5	2823.0	1.6	1.25	8.5	24.7	30.7	2.1	3.8	2.68	250.	Sd.gry.f gr.80% dull yel flu
6	2833.0	2.0	<.01	5.1	0.0	93.9	0.0	0.3	2.78	0.	Dol,v/sndy,0% flu no cut
7	2843.0	2.0	<.01	4.8	0.0	95.5	0.0	0.2	2.75	1.	Sd,red,slt-vf gr,v/dol,0% flu no cut
						SAN AND	RES FORMATI	ON			
8	2963.5	1.8	0.01	4.7	0.0	92.6	0.0	0.3	2.71	2.	Sd,gry,vf-slt gr,0% flu no cut
9	3082.0	1.3	0.01	4.7	19.9	53.4	0.9	1.3	2.85	250.	Dol.70% brt yel flu
10	3105.0	1.5	0.01	3.1	2.3	87.4	0.1	0.3	2.85	5,	Dol,tr% yel flu in frac
11	3327.0	2.0	<.01	3.9	19.4	27.9	0.8	2.1	2.81	250.	Dol,60% dull yel flu
12	3415.0	2.0	0.35	6.0	16.3	58.4	1.0	1.5	2.85	170.	Dol.gyp/anhy,40% yel flu
13	3456.0	2.0	5.10	8.6	15,5	49.5	1.3	3.0	2.83	250.	Dol,sl anhy,sl pp.70% dull yel flu
14	3534.0	1.8	0.05	1.2	2.3	70.0	0.0	0.3	2.84	1.	Dol.sl anhy, tr pp, tr% yel flu in frac
15	3625.0	2.0	0.03	4.6	15.3	50.8	0.7	1.6	2.86	250.	Dol,v/anhy,50% yel flu
						YESO	FORMATION				:
16	4501.0	1.6	0.11	7.6	15.1	11.8	1.1	5.6	2.86	250.	Dol.tr pp.70% brt yel flu

# CORE LABORATORIES

Company : BURNETT OIL COMPANY, INC. Well : GISSLER B NO. 58

Field

: LOCO HILLS FIELD

File No.: 57181-19711

Formation

: VARIOUS

3/09/10 Date

CORE ANALYSIS RESULTS

SAMPLE DEPTH INCHES I NUMBER Ft	TNCHES	DEDMEARTLITTY	POROSITY	SATURATION		SATURATION		CD 4 7 11			
	(HORIZONTAL)  Kair  md		(PORE DIL %	VOLUME) WATER %	(BULK VO	DLUME) GAS %	GRAIN DENSITY gm/cc	GAS DETECTOR UNITS	DESCRIPTION		
17	4580.0	1.5	0.05	7.1	18.7	28.0	1.3	3.8	2.84	290.	Dol,40% brt yel flu
18	4639.0	1.8	0.50	10.3	17.1	20.0	1.8	6.5	2.84	210.	Dol,sl pp,80% dull yel flu
19	4961.0	2.0	0.05	9.5	17.4	33.3	1.7	4.7	2.84	320.	Dol,sl pp,50% brt yel flu
20	5063.0	1.8	0.13	5.5	15.5	14.1	0.9	3.9	2.84	270.	Dol,sl anhy,tr pp,40% yel flu
21	5089.0	2.0	0.07	5.5	11.9	28.8	0,7	3.3	2.83		Dol,10% yel flu
22	5102.0	1.8	1.70	9.1	12.6	28.2	1.1	5.4	2.82	273.	Dol,sl pp,20% yel flu
23	5155.0	1.9	0.01	3.8	9.7	39.2	0.4	1.9	2.84	15.	Dol,tr% yel flu
24	5288.0	1.8	0.12	8.2	11.7	38.3	1.0	4.1	2.83	65	Doltr pp 20% vel flu



### LITHOLOGICAL ABBREVIATIONS

Anhy, anhy Ark, ark bnd	Anhydrite (-ic) arkos (-ic) band (-ed)	Lim, lim med gr Mtrx	limestone medium grain matrix
brec	breccia	NA	interval not analyzed
Calc, calc	calcite (-ic)	Nod, nod	nodules (-ar)
	carbonaceous	001, 001	oolite (-itic)
	course grained	Piso, piso	pisolite (-itic)
Chk, chky	chalk (-y)	pp	pin-point (porosity)
Cht, cht	chert (-y)	Pyr, pyr	pyrite (-itized, itic)
	conglomerate (-ic)	Sd, sdy	sand (-y)
crs xln	11	Shr	solid hydrocarbon residue
dns	dense	sli/	slightly
Dol, dol	dolomite (-ic)	Sltstn, slty	siltstone, silty
Frac random	ly oriented fractures	styl	stylolite (-itic)
frac	slightly fractured	suc	sucrosic
f gr	fine grained	Su, su	sulphur, sulphurous
foss	fossil (-iferous)	TBFA	TOO BROKEN FOR ANALYSIS
f xln	finely crystalline	Trip, trip	tripolitic
Gil, gil	gilsonite	V/	very
	glauconite (-itic)		dominantly vertically fractured
Grt	granite	vug	vuggy
Gyp, gyp	gypsum (-iferous)	xbd	crossbedded
hor frac per	dominantly horizontally fractured	xln	medium crystalline
incl	inclusion (-ded)	xtl	crystal
intbd	interbedded		
lam lam:	ina (-tions,-ated)		

THE FIRST WORD IN THE DESCIPTION COLUMN OF THE CORE ANALYSIS REPORT DESCIBES THE ROCK TYPE. FOLLOWING ARE ROCK MODIFIERS IN DECREASING ABUNDANCE AND MISCELLANEOUS DESCRIPTIVE TERMS.

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