ABOVE THIS LINE FOR DIVISION USE ONLY

		NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -	1000
		ADMINISTRATIVE APPLICATION COVERSHEET	
	THIS COVERSH	HEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS	
Application	[PC-P	[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] nhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] ool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] alified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]	
[1] T	YPE OF AH [A]	PPLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL NSP DD SD	
	Check [B]	One Only for B and C	3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery	OCHERWION DW
[2] N (OTIFICAT [A]	ION REQUIRED TO: - Check Those Which Apply, or ☑ Does Not Apply ☑ Working, Royalty or Overriding Royalty Interest Owners	5 ₹
	[B]	Offset Operators, Leaseholders or Surface Owner	
	[C]	Application is One Which Requires Published Legal Notice	
	[D]	□ Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office	
	[E]	☐ For all of the above, Proof of Notification or Publication is Attached, and	or,
	[F]	☐ Waivers are Attached	
[3] IN	FORMAT	ION / DATA SUBMITTED IS COMPLETE - Statement of Understanding	
l hereby c	ertify that I,	or personnel under my supervision, have read and complied with all applicab	le Rules

and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note:	Statement must be	completed by	an individual with	supervisory	capacity.

Larrry Tarwater	Larry Tarwater	Production Engineer	7-27-99
Print or Type Name	Signature	Title	Date



Home-Stake Oil & Gas Company

15 East 5th Street, Suite 2800 Tulsa, Oklahoma 74103-4311

(918) 583-0178 (800) 677-0178 FAX - (918) 583-0237 Internet - www.home-stake.com

July 27, 1999

Mr. Mark Ashley New Mexico Oil Conservation Division 2040 S. Pacheco Street Santa Fe, NM 87505

RE: Application to Surface Commingle Sarah Johnston #1 & #2

UL "O" and "J" Sec 22-22S-37E Lea County, New Mexico

L1711020W

Dear Mr. Ashley:

Since Ben Stone is out this week I have Fed-Ex'd this application to your attention. Home-Stake operates the Sarah Johnston #1 - formerly Sarah Wallace #1 (Fusselman) and Sarah Johnston #2 (Drinkard) and is hereby applying for permission to surface commingle the wells into a common production facility located adjacent to Sarah Johnston #1. Royalty owners are the same for each well and have been notified of our application. Enclosed please find the following:

- Administration Application Coversheet
- Summary of Completion Information on each well
- Plat locating both wells, spacing units and lease boundary.
- Diagram of surface production facility (tank battery)

For each well, the following forms are also enclosed:

- Form C-102 Well Location Plat
- Form C-103 Sundry Notices for each string of casing
- Form C-104 Request for New Well Allowable
- Form C-105 Well Completion Report
- Deviation Surveys

We are eager for approval of this application so we can sell commingled oil and not have to shut in wells for lack of tank room. If you have any questions please contact me at (918) 583-0178 ext. 17. Thank you.

Sincerely,

Larry Tarwater

Production Engineer

attach



HOME-STAKE OIL & GAS COMPANY

Application for Permission to Surface Commingle Sarah Johnston #1 & #2 in Common Facilities

WELL: SARAH JOHNSTON #1

SURFACE LOCATION: UL 'O' Sec 22-T22S-R37E

SPOT: 800' FSL 2040' FEL of Sec 22

COUNTY/STATE: Lea County, New Mexico Bottom Hole Location: N/A (Straight Hole)

Pool: South McCormack, Silurian

Pool Code: 45430

API No.: 30-025-34497

Property Code: 23630

Producing Formation: Fusselman (7188-7208')

TD: 7360' Spud Date: 9/14/98 Completion Date: 10/31/98

Oil Gravity: 42.7 deg API, sweet

Oil Classification: Intermediate

Production: 65 BOPD, 80 MCFD Value of Oil: \$16.55/bbl (June 99) Oil Purchaser: Sunoco Inc. (R & M) Gas Purchaser: GPM Gas Corp.

eg API, sweet 38.8 deg API, sweet

Intermediate

45430

23630

7475'

5/7/99

7/26/99

30-025-34611

126 BOPD, 435 MCFD Same as #1 - WTI + \$1.40 Sunoco Inc. (R & M) GPM Gas Corp.

SARAH JOHNSTON #2

UL 'J' Sec 22-T22S-R37E

Lea County, New Mexico

Drinkard (6350-6493')

1600' FSL 2288' FEL of Sec 22

1516' FSL & 2349' FEL @ 6422'MD

South McCormack, Silurian

COMMINGLED PRODUCTION

Expected Gravity: 40.1 deg API, sweet Expected Classification: Intermediate

Expected Production: 191 BOPD, 515 MCFD

Expected Value of Oil: West Texas Intermediate + \$1.40

C:\New Mexico\SJohnston2.wb2

7/27/99



HOME-STAKE OIL & GAS COMPANY

Application for Permission to Surface Commingle Sarah Johnston #1 & #2 in Common Facilities

WELL: SARAH JOHNSTON #1

SURFACE LOCATION: UL 'O' Sec 22-T22S-R37E

SPOT: 800' FSL 2040' FEL of Sec 22

COUNTY/STATE: Lea County, New Mexico Bottom Hole Location: N/A (Straight Hole)

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Spud Date: 9/14/98

Completion Date: 10/31/98

SARAH JOHNSTON #2

UL 'J' Sec 22-T22S-R37E

1600' FSL 2288' FEL of Sec 22

Lea County, New Mexico

1516' FSL & 2349' FEL @ 6422'MD

South McCormack, Silurian

45430

30-025-34611

23630

Drinkard (6350-6493')

7475' 5/7/99

7/26/99

SE/4 Section 22 - T22S - R37E 22 Lease Boundary (Entire SE/4) Sarah Johnston #2 Surface \bigcirc Bottom Hole 40 Acre Spacing Units Sarah Johnston #1

Scale: 1'' = 500'

C:\New Mexico\SJohnston2.wb2

7/21/99



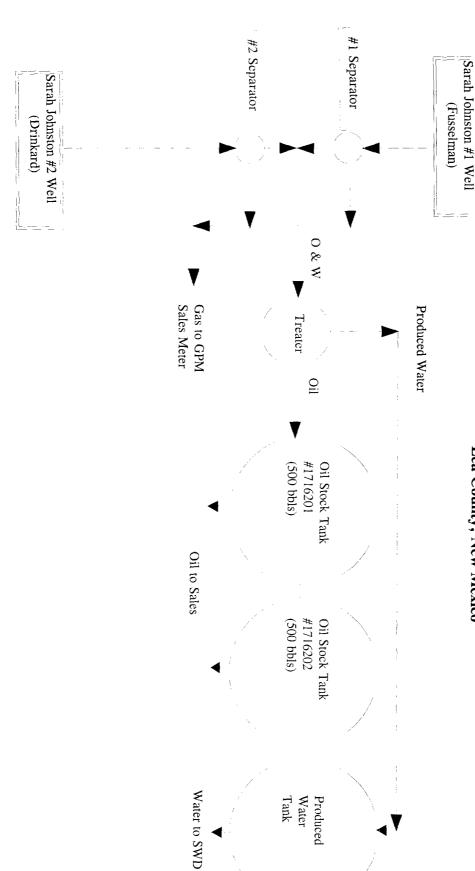
HOME-STAKE OIL & GAS COMPANY

Application for Permission to Surface Commingle Sarah Johnston #1 & #2 in Common Facilities

Schematic of Surface Facilities

Tank Battery Located Adjacent to Sarah Johnston #1 Well UL 'O' Section 22 - T22S - R37E

Lea County, New Mexico



DISTR <u>I I</u> D. John 1980 Hobbs, NM 88241-1980

State of New Mexico Energy, . . . erals, and Natural Resources Depart

Sarah Johnston #1 (formerly Sarah Wallace #1)

DISTRICT II P. O. Drawer DD Artesia, NM 88211-0719

<u>DISTRICT III</u> 1000 Rìo Brazos Rd. Aztec, NM 87410

OIL CONSERVATION DIVISION P. O. Box 2088 Santa Fe, New Mexico 87504-2088

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088 WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number			2 Pool Code	·	3 P	ool Nar	ne	DD: 11/00	· · · ·			
Property Cod	le	³ Property N	8005 ame				Ntxx 82 x	SARAH		USSELMAN)	Well Number	
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				" SUR	FACE	E LO	CATION					
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		"BOTTO	M HOLE	LOCATI	ON I	F DI	FFERE	NT FROM	SU	JRFACE		
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										NTERESTS HA Y THE DIVIS		
					(Vina)					I hereby cert contained her to the best of Signature Printed Name HOWARD E. (Title VICE-PRESII Date AUGUST 25, SURVEYO I hereby of location she plotted from surveys me my supero	DENT - OPERAT 1998 R CERTIFICATION CERTIFICATION	iormation complete and belief. IONS ATION he well blat was of actual reunder that the
			<u></u>		300'	******	2040	·		Certificate No ROGER M. F		. #12128 V / JSJ

I hereby certify that the information above as true and complete to the base of my knowledge and balic.

SIGNATURE

TYPE OR FRENT NAME

Howard E. Gray

(918) 583-0178

TELEPHONE NO.

ORIGINAL SIGNED BY CHRIS WILLIAMS

The space for State Use)

Afterover by Attraction of Operations Date 9-16-98

Title One space for State Use)

Afterover by Attraction of Operations Date 9-16-98

Title One space for State Use)

Afterover by Attraction of Operations Date 9-16-98

Title Operations Date 9-16-98

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a Office

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CONDITIONS OF APPROVAL, IF ANY:

L CONSERVATION DIVISION

ACC BOX 1960, BODDE, 14th Colors	2040 Pacheco Si	•	30-025-344	197	1
DISTRICT II P.O. Drawer DD, Artesia, NM \$5210	Santa Fe, NM	87505	5. Indicate Type of L		FEE 🛇
DISTRICTIII 1000 Rio Brazos Rd., Arac., NM 87410			6. State Oil & Gas L		FEE CO
SUNDRY NOTICES	AND REPORTS ON WELL	s			
(DO NOT USE THIS FORM FOR PROPOSA DIFFERENT RESERVOIR.		OR PLUG BACK TO A	7. Lesse Name or Un	ait Agreement Name	
1. Type of Well:			SARAH WALL	ACE	
Agr Agr C	OTHER Drilli	ng Well .			
2. Name of Operator HOME-STAKE OIL & GAS COMPANY	·		E. Well No.		
3. Address of Operator			9. Pool same or Wil	ideat	
15 E. 5th Street, Suite 2800), Tulsa, OK 74103-431	1	McCormack: Sil	urian, South	
4. Well Location Unit Letter 0 : 800 F	ect From The South	Line and 2040	Feet From T	The East	Line
Section 22	Township 22S Rat	37E	NMPM Le	ea Communication	County
	10. Elevation (Show whether) 3246				
11. Check Appr	opriate Box to Indicate I	Nature of Notice, R	eport, or Other	Data	
NOTICE OF INTEN	TION TO:	SUB	SEQUENT RE	EPORT OF:	
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK		altering Casing	
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING	GOPNS. 🔲 I	PLUG AND ABAND	ONMENT 🗌
PULL OR ALTER CASING		CASING TEST AND C	EMENT JOB 🖾		
OTHER:		OTHER:			[
12. Describe Proposed or Completed Operations (work) SEE RULE 1103.	Clearly state all pertinent details, as	l d give pertinent dates, incli	iding estimated date of	starting any proposed	!
An 11" hole was dril cemented by B-J Services could be serviced at least cell of lake (Yield = 1.90 and 2.20 PM 9/ Estimated temperature of standard compressions and services are serviced as the services are serviced by B-J Services and Services are serviced by B-J Services are ser	0 &Wt. = 1.28 PPG) fol fotal barrels slurry = 24 19/98. W. O. C. 14-1 lurry @ surface = 70 c	5 Poz Class 'C' ce lowed by 200 sx C 0 bbls. Displaced /2 hrs. Test casi legrees. Estimate	ment w/6% ge lass 'C' w/1% to shoe w/204 ng and B.O.P d temperature	1, 5% salt, 0.23 CACL2 (Yield barrels water to 1000 PSI @ 3395' = 93	5 d r. I.
I hereby certify that the information about to true and				9-21-	08
SIGNATURE SOLVELL		mæ <u>Vice-President</u>	or uperations	DATE	
TYPEOR PRINT HAVE HOWARD E. Gra	У	(918)	583-0178	TELEPHONE NO.	
(Thus space for State Use)	Orig. Signed b y , Paul Kautz			n.re	a a 4004
APPROVED BY	Geologist	mt .		DATE	-1-1-198

Disirlet ! PO Box 1990, Hobbs; NM \$2241-1990

State of New Mexico

Porm C-104 Revised October 18, 1994

Instructions on back Submit to Appropriate District Office 5 Copies

Dictrict []

511 South First, Artesia, NM 50210

District III

Previous Operator Signature

OIL CONSERVATION DIVISION 2040 South Pacheco

Post Produced Matter Pro	1000 Rio Brazo District IV	e Rd., Aziec	NM 87410		San	ta Fe, i	VM 87	505			M.	AMENDED REPORT
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15 East 5th Street, Suite 2800	<u>i.</u>		cauya				ID AU	Inor	1271	1014 10 11		
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AT Number 30 - 0 25 - 3449** **McCormack; Silvarian, South 45430** **McCormack; Silvarian, South 45430** **Production** **Production**	15 East	5th	Street,	Suite 28	MELL WELL	MAS BES	H PLACE	סמ ני	t conc	UH i	Reason for	Filing Code
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OCRD and Address and Description	III. Oil a	nd Gas	Transpo	rters	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							
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7-7/8" 7-7/8"	17-1/2"			13-3	/8"			4	45		44(0 SX
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"Choke Size 8/64" 78 -0- 114 NA F I hereby certify that the ruler of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my chrowledge and belief. Signature: Larry Tarwater Fitle: Production: Engineer Date: 11-4-98 Phone: (918) 583-0178 Title: Approval Date: 11-4-98 Phone: (918) 583-0178	Date No	Oil	\	/ 1						<i>y</i>	` '	
NA F I hereby certify that the ruler of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Printed name: Larry Tarwater Title: Production:Engineer Date: 11-4-98 Phone: (918) 583-0178 Approval Date: 114 NA F OIL CONSERVATION DIVISION: Approved by: Title: Approval Date: 114 Approval Date: 114 Approval Date: 114 Approval Date: 114 Approval Date: 115 Approval Date: 116 Approval Date: 117 Approval Date: 118 Approval Date: 119 App			10-3						\sim			\leq $ ule{}$
I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: Printed number Title: Production: Engineer Date: 11-4-98 Phone: (918) 583-0178			78			_	\downarrow				×	
Approved by: Title: Larry Tarwater Title: Production:Engineer Date: 11-4-98 Phone: (918) 583-0178					vision have been	complied			_			
Approved by: Printed number Larry Tarwater Title: Production:Engineer Date: 11-4-98 Phone: (918) 583-0178			given sbove i	is true and comp	olate to the best	of my		OI	L CO	NSERVATI	ON DI	NOIZIV
Printed number Larry Tarwater File: Production:Engineer Date: 11-4-98 Phone: (918) 583-0178	Signature:			-1			Approved	i by :				1 . 454
Larry Tarwater Title: Production:Engineer Date: 11-4-98 Phone: (918) 583-0178	Printed ranie:	7	Jun	with_			Title:	·				1/ h/G
Production:Engineer Date: 11-4-98 Phone: (918) 583-0178 `	Title:						Approval	Date:		2 2 4999		
	Descri		tionnEngi		0) 507 017	o ,						
T IT THE SE A PROBLEM OF CONSISTENCE THE SEA CELLE IN COMMENTS AND SECURITIES AND ADDRESS			majon (III) le 1				de me					

Printed Name .

Title '

Date

Submit to Appropriate District Office State Lease -- 6 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-105

Revised 1-1-89

Fee Lease - 5 copies DISTRICT I P.O. Box 1980, Hobbs, I	NILE SECAL	OIL CON				SION	N WE	LL API NO. 30-025:	-34497		
DISTRICT II			O Pacheo ta Fe,		87505		5.	Indicate Type	of Lease		FEE X
P.O. Drawer DD, Artenia	L, NIM 88210		-				6	State Oil & (TE L	FEE A
DISTRICT III 1000 Rio Brazos Rd., As	nac, NM 87410							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		····	
	OMPLETION (OR RECOMPL	ETION RE	PORT	AND LO	3	_///				
la. Type of Well: OIL WELL X	GAS WELL	DRY [OTHER _		·			Lease Name	or Oast Was	CENERL NA	ime
b. Type of Completion: NEW WORK WILL CHER	Delication [FLUXO	DETE RESVE C	mer				Sarah	Wallace	9 .	
2. Name of Operator Home-Stak	e Oil & Ga	as Compan	v					Well No.			
3. Address of Operator			,				9.	Pool name o	Wildest		
	th Street,	Suite 280); Tulsa	a, OF	7410)3	M	Corma	k; Sil	urian	, South
4. Well Location Unit Letter	<u> </u>	Feet From The	South		Line a	md2	040	Feet Fr	om The	East	Line
Section 22		Township 2	2S	Rang	 ₃ 37E		NMI				County
	11. Date T.D. Read 09/27/98	ned 12. Date	Compl. (Ready / 31 / 98	so Prod.)				RKB, RT, GR DF. 3364		4. Elev. 0	Casinghead
15. Total Depth	16. Ping Ba		17. If Mukin Many Zo	ie Compi				Rotary Tools		Cable To	
73601	726	58'	<u> </u>	N.	A	Dı	rilled By	O-B60	i	NA	
19. Producing interval(s), 7188 - 72	of this completion 02 Fussel	- Top, Bottom, Naz .man	MC .					2). Was Direc No	tional Sur	vey Made
21. Type Electric and Oth Density/Ne	er Logs Run eutrun, Ca	terolog. S	onic					22. Was Wel	l Cored		
23.	· · · · · · · · · · · · · · · · · · ·	CASING I		Per							
CASING SIZE	WEIGHT L		TH SET		OLE SIZE	mgs 8		ENTING RI	CORD	AM	OUNT PULLE
13-3/8	48.0# H	-40 44			7-1/2"			X Class			"O"
8-5/8 5-1/2	32.0# J- 15.5# K-				11" -7/8"			Class		4-	"O"
3-1/2	77.77	-33 130			-1/6			Class "C" Class "C"		9	"O"
24.		I Days area		1			1				
SIZE	TOP	LINER REC	SACKS C	EMENT	SCRE	EN	25.	SIZE	DEPTH		D. Gern er
		20110	SACKS C	EMENI	SCR	-E-N		31ZE	DEFIN	361	PACKER SE
26. Perforation reco	nd (interval, siz	e and number)			1 27 A	<u>an s</u>	HOT E	PACTIBI	CEMEN	TT SOI	JEEZE, ETC
101011111111111	~ (-, 				I INTER					ERIAL USED
					718	38-72	202	 		% HC	
										-	
28.			PRODI	UCTI	DN						
Date First Production 10/05/98		Production Method F	(Flowing, gaz	lift, prom	ring - Size as	ud type į	тетр)		Well Sta	tus (Prod	. or Shus-in)
Date of Test 11/1/98	Hours Tested 24	Choks Size 8/6	Prod's A " Test Pe		Oil - Bbl.		Gas - MC		/ater - Bbl.		Gas - Oil Rat
Flow Tubing Press.	Casing Pressure	Calculated :	-		78 Gas - 1	MCF	114	er - Bbl.	Oil Ga		1-(Corr.)
525	0	Hour Rate		78		114	"-	0		40.7	
29. Disposition of Gas (S		ented, etc.)			• ,				Door		
30. List Attachments	s previous	slv submit	ted)		<u></u> ,		•	1 44.	Dean		£
31. I hereby certify tha			•	m is tru	e and comp	iete to	the best o	of my knowle	edge and be	lief	
Signature	erry Jasu	rates	Printed	4000	Tami	دمله	(* T724)	e Prod	Evar	T .	se 11/12/9
Signature / Ka	1 / 00			• M K (-)	1010	w.c.		E 1. 00			

INSTRUCTION

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-dril or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all spectests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, to vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STAT

Souther	stern New Mexico	Northwe	stern New Mexico
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn		
	Tr Atoka		
	T. Miss		
			T. N'adison
	T. Silurian 7118	T. Point Lookout	T. Elbert
T. Gravburg	T. Montoya7218	T. Mancos	T. McCracken
T. San Andres 3975	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 5062	T. McKee	Base Greenhorn	
T. Paddock 5200		T. Dakota	
T. Blinebry 5418			T
T. Tubb6004	T. Delaware Sand	T. Todilto	
T. Drinkard 6383	T. Bone Springs		
T. Abo 6820	T		т
T. Wolfcamp		T. Chinle	
T. Penn			T
T. Cisco (Bough C)		T. Penn "A"	
No. 5, from50 Include data on rate of wate No. 1, from	OIL OR GAS 7208 to 6423 62to5090.IMPORTAN er inflow and elevation to which water to.	T WATER SANDS No. 6, rose in hole.	•••••••••••••••••••••••••••••••••••••••
	······································		·
TWO DE MUNICIPALITY	LITHOLOGY RECORD		
From To Thicknes	Lithology	From To Thickness	Lithology

From	То	Thickness in Feet	Lithology	From	То	Thickness in Feet	Lithology
Surface	700	700	Sand and conglomerate				
700	2500	1800	Shales and anhydrites		}	!	
2500	3540	1040	Anhydrites and dolomite				
3540	4400	860	Dolomite			1	
4400	5600	1200	Dolomite and anhydrites				
5600	6530	930	Dolomite				
6530	6660	130	Limestone	j	1		
6660	7118	458	Dolomite	1			
7118	7208	90	Chert and Dolomite	1		1	
7208	7360	152	Dolomite	ļ		1	
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	1	1					



Patterson Drilling Company 410 N. Loraine Street — (915) 682-9401

Midland, Texas 79701

October 6, 1998

Home-Stake Oil & Gas Company 15 E. 5th St., Ste. 2800 Tulsa, OK 74103-4311

RE:

Deviation Report

Sarah Wallace #1-22

Gentlemen:

The following is a deviation survey on the above referenced well located in Lea County, New Mexico.

445' - 0.50°	4217' - 0.50°
902' - 0.75°	4687' - 0.50°
1399' - 0.75°	5126' - 0.75°
1874' - 0.75°	5407' - 1.00°
2337' 1.25°	5878' - 1.00°
2714' - 1.00°	6471' - 0.75°
2995' - 1.25°	6996' - 1.25°
3395' - 1.25°	7360' - 1.50°
3779' - 0.50°	

Treva Forrester

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing was acknowledged before me this 6th day of October, 1998 by Treva Forrester.

MY COMMISSION EXPIRES:

NOTARY PUBLIC

200000000000000000000000000000000 REBECCA EDWARDS Notary Public, State of Texas

My Commission Expires 07-24-99 TRICT | 0. Box 1980 | 56s, NM 88241-1980

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102 Revised 02-10-94

instructions on back

Submit to the appropriate District Office Stota Lease — 4 copies Fee Lease — 3 copies

esia, NM 88211-0719
TRICT III
JO Rio Brazos Rd.
ec, NM 87410

TRICT II

OIL CONSERVATION DIVISION P. O. Box 2088 Santa Fe, New Mexico 87504-2088

AMENDED REPORT

TRICT IV O. Box 2088 nto Fe, NM 8750	7-2088 WE I	LL LOCATION AN	D ACR	eage ded	ICATION PL	L T	•	
PI Number		2 Pool Code		l Name				
<u>'O-O25 - 34</u> Freperty Code 1 63123 2343	Property No		SARAH	MCCORMAC JOHNSTON	K, SILURI	AN SOUTH	• Well Number	
SCRID No.	Operator No						• Elevation	
63/23		HOME-ST	AKE D	IL & GAS	COMPANY		3351	•
		" SUI	RFACE	LOCATION				
L or lot no. Scotlen 22	Township 22 SOUTH	Range 37 EAST, N.M.P.M.		Feet from the 1600'	North/Fouth line SOUTH	Feet from the 2288'.	East/Vest line EAST	County
	"BOTTO	OM HOLE LOCAT	ION IF	DIFFERE	T FROM SU	RFACE		
L or lot no. Section	Township	Range	Lot Ide	Feet from the	North/South line	Feet from the	East/Vent line	County
Dedicated Acres 12 do	int or Infill	14 Consolidation Code	19 Order	Na.	<u> </u>			
NO AL	LOWABLE WI	ELL BE ASSIGNED TO OR A NON-STAND	O THIS	COMPLETION	UNTIL ALL IN	TERESTS HA	VE BEEN	
		160	·	2288		rinted Reme Larry Ta Trinted Reme Larry Ta True Products Date April 6 SURVEYO I hereby e location sh plotted from surveys m my super same is to best of my Date of Bur- FER Bignature Se Professional Continues N ROGER M.	R CERTIFIC own on this of the state of the s	ATION The well belief that the lates the late

Substit 3 Copies to Appropriete District Office

CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103 Revised 1-1-89

_ DATE _

STRICT I O. Box 1980, Hobbs, NM 88240	OIL CONSERVATIO		WELL API NO. 20 025 24611
STRICT II D. Drawer DD, Artasia, NM 88210		M 87505	30-025-34611 5. Indicate Type of Lease
STRICTLII			STATE FEE X
O Rio Brazos Rd., Aztec, NM 87410			C. Schie Cel & Chie Lines 140.
OO NOT USE THIS FORM FOR PRODIFFERENT RESEINGFORM C	ICES AND REPORTS ON WE OPOSALS TO DRILL OR TO DEEPEI RVOIR. USE "APPLICATION FOR PE 101) FOR SUCH PROPOSALS.)	N OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
Type of Well: Oil QAS WELL WELL [ones DRILL	ING WELL	SARAH JOHNSTON
Name of Operator HOME-STAKE OIL & (GAS COMPANY		8. Wati No.
Address of Operator 15 East 5th Street	t, Suite 2800; Tulsa,	OK 74103-4311	9. Pool mame or Wildcar McCormack, (Silurian, South)
Well Location	001 South	000	
Unit Letter : 100	001 Feet From The South	Line and	38' Feet From The <u>East</u> Line
Section 22	Township 22 South 1	Range 37 East	NMPM Lea County
	10. Elevation (Show whether 3351' GR	3369' KB	
Check	Appropriate Box to Indicate		Leport, or Other Data
NOTICE OF IN		_	SSEQUENT REPORT OF:
FORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
IPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING	
LORALTER CASING		CASING TEST AND C	
HER:			
Davida Bassad as Canalada Com	tion (Clarks and all and all and all and		uding estimated date of starting any proposed
2% CaCl (yield 1.35 cf/s Displaced to shoe w/ 58 WOC 16-1/2 hrs. Tested	00'. e casing was set @ 397' & cem sk, 14.8 ppg.) bbls water. Circulated 60 sack d casing and BOP to 1000 psi.	es cement to pit. Plug of Estimated temperature	lown at 6:15 pm 5/7/1999.
17-1/2" hole drilled to 40 13-3/8" 48# H-40 surface 2% CaCl (yield 1.35 cf/s Displaced to shoe w/ 58 woc 16-1/2 hrs. Tested degrees. Estimated temp per BJ Services charts.	00'. e casing was set @ 397' & cem sk, 14.8 ppg.) bbls water. Circulated 60 sack d casing and BOP to 1000 psi.	es cement to pit. Plug d Estimated temperature Estimated compressiv	down at 6:15 pm 5/7/1999. e of slurry at surface = 70 we strength = 1900 psi /16 hrs -
17-1/2" hole drilled to 40 13-3/8" 48# H-40 surface 2% CaCl (yield 1.35 cf/s Displaced to shoe w/ 58 woc 16-1/2 hrs. Tested degrees. Estimated temp per BJ Services charts.	00'. e casing was set @ 397' & cemsk, 14.8 ppg.) bbls water. Circulated 60 sack d casing and BOP to 1000 psi. perature @ 400' = 63 degrees.	es cement to pit. Plug d Estimated temperature Estimated compressiv	down at 6:15 pm 5/7/1999. e of slurry at surface = 70 we strength = 1900 psi /16 hrs -

- TITLE -

1	Form	C-	101	}
1	Revie	ed I	-1 -	45

Submit 3 Copies to Appropries District Office	Energy, Minerals and Natural Res	outces Department	Form C-103 Revised 1-1-89			
DISTRICT! P.O. Box 1980, Hobbs, NM \$8240	OIL CONSERVATION 2040 Pacheco St		WELL AM NO.			
DISTRICT II P.O. Drawer DD, Artonia, NM \$8210	Santa Fe, NM	87505	30-025-34611 5. Indicate Type of Lesse			
DISTRICT III			STATE FEE X			
1000 Rio Brazos Rd., Aziec, NM 87410			6. State Oil & Ges Longe No.			
(DO NOT USE THIS FORM FOR PE DIFFERENT RESE	TICES AND REPORTS ON WELL POPOSALS TO DRILL OR TO DEEPEN OF RVOIR. USE "APPLICATION FOR PERI C-101) FOR SUCH PROPOSALS.)	OR PLUG BACK TO A	7. Lesse Name or Unit Agreement Name			
l. Type of Well: OL. GAS WELL WELL] ones DRILLI	NG WELL	SARAH JOHNSTON			
2. Name of Operator HOME-STAKE OIL &	GAS COMPANY		8. Well No.			
	t, Suite 2800; Tulsa, O	K 74103-4311	9. Pool same or Wildow McCormack, (Silurian, South)			
4. Well Location Unit Letter J: 16	00' Feet From The South	Line and 228	88' Feet From The East Line			
Section 22	Township 22 South Ran	ge 37 East	NMPM Lea County			
	10. Elevation (Show whether E 3351 GR	33691 KB	X////////////////////////////////			
	: Appropriate Box to Indicate NITENTION TO:		eport, or Other Data SSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING			
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLIN	G OPNS. PLUG AND ABANDONMENT			
PULL OR ALTER CASING		CASING TEST AND C	EMENT JOB 🔀			
OTHER:		OTHER				
12. Describe Proposed or Completed Opwork) SEE RULE 1103. 11" hole drilled to 342		d give persinent dates, incl	uding estimated date of starting any proposed			
Poz/Class 'C' cmt w/ 1% CaCl, (yield 1.34 Displaced to shoe w/ 2 WOC 14-1/2 hrs. Tes	nediate casing was set @ 3400' & 6% gel, 5% NaCl, (yield 1.90 cf/scf/sk, 14.8 ppg.) Total slurry = 204 bbls water. Plug down @ 1:3 sted casing and BOP to 1200 psi.	/sk, 12.8 ppg,) plus 2 240 bbls. 60 pm 5/12/1999. Di Estimated temperatu	id not circulate cement to surface.			
degrees. Estimated te hrs - per BJ Services of	mperature @ $3400' = 93$ degrees	. Estimated compres	ssive strength = 1100 psi /14-1/2			
			• •			
I hereby certify that the information above a	true and complete to the best of my knowledge ac-	d balics.				

I hereby certify that the infernation above as true and complete to the best of my soundture		DATE 7-26-99
TYPE OR FRENT HAME Larry Tarwater		телетноне NO. <u>583-0178</u> _x17
(Tims space for State Use)		
AFTROYED BY	TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:		

Saberit 3 Copies to Appropriate Digrect Office

CONDITIONS OF ATTROVAL, IF ANY:

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103 Revised 1-1-49

pauer ours	0W 00110001110W011	~~~~~			
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATION I	DIVISION	WELL AM NO.		
DISTRICT II O. Drewer DD, Arasia, NM \$8210	Santa Fe, NM 8	37505	30-025-34611 5. Indicate Type of Losse		
ISTRICTII	}		TATEL F	E X	
000 Rio Brazos Rd., Aztec, NM 87410			6. State Oil & Ges Lesse	No.	Ì
DO NOT USE THIS FORM FOR PRODICTION OF DIFFERENT RESERVA	ICES AND REPORTS ON WELLS OPOSALS TO DRILL OR TO DEEPEN OR I RVOIR. USE "APPLICATION FOR PERMIT" -101) FOR SUCH PROPOSALS.)		7. Lesse Name or Unit A	groement Name	
Type of Well: OIL GAS WELL WELL	 	WELL.	SARAH JOHN	STON	
Name of Operator HOME-STAKE OIL & C	GAS COMPANY		8. Well No.		
. Address of Operator 15 East 5th Street	t, Suite 2800; Tulsa, OK	74103-4311	9. Pool same or Wildow McCormack, (S		outh)
. Well Location	OO' Feet From The South				Line
Section 22	Township 22 South Range	37 East	ими Le	a	County
	10. Elevation (Show whether DF,	RKB, KT, GR, etc.) 3369' KB	<i>VII</i>		
//////////////////////////////////////	Appropriate Box to Indicate Nat		enort or Other Dat	//////////////////////////////////////	
NOTICE OF IN			SEQUENT REPO		
ERFORM REMEDIAL WORK	<u>— 1</u>	EMEDIAL WORK	(-)	RING CASING	Γ-
EMPORARILY ABANDON		OMMENCE DRILLING		G AND ABANDON	
ULL OR ALTER CASING	- -	NEW ARRY WITH CE	_	S AND ADANDON	weni F
OTHER:	<u> </u>	1	EMENT JOB [22]		_
		THER:			l-
12. Describe Proposed or Completed Oper work) SEE RULE 1103.	rations (Clearly state all pertinent details, and gi	ive persinent dates, inclu	ding estimated date of stars	ing any proposed	
Cement plug spotted to (yield 0.89 cf/sk, 18 proposed to 1.89 cf/sk, 18 proposed to 1.89 cf/sk, 18 proposed to 1.38 cf/sk, 14.8 prop	7300' and electric logs run. hrough open-ended drill pipe from 5 ppg.) WOC 31 hrs. Dressed off top lrilled 7-7/8" hole to southwest to 74 5 production casing and set @ 7472 5, 56 bbls slurry.) Displaced with 36 2 5882' with 725 sacks Cl 'C' ceme ped plug w/ 3000 psi. Released dril	o of cmt plug 5266 475' TD (see direction). Cemented 1st stables water + 140 ant (1.38 cf/sk, 14.	tional survey) and re tage with 230 sacks bbls mud. Cemente ppg) and displaced	c-ran electric Cl 'C', ed 2nd stage	
I hereby certify that the differentation above as	true and complete to the best of my knowledge and bel	icf.			00
SIGNATURE TO TANK	TITLE	Production	Engineer	DATE 1-26-	17
TYPEOR PRINT NAME Larry	arwater			телетноне но. 58	3-0178
(This spece for State Use)		·•			
AFTROYED BY	mue			DATE -	

District I PO Box 1980, Hobbs; NM \$2241-1980

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-104
Revised October 18, 1994
Instructions on back
Appropriate District Office

District II

RT

811 South Fire District III 1000 Rio Braza			C		ERVA O Souti Ia Fe, l	h Pach	eco	ION	340			5 Copi
District IV 2040 South Pa	rchem, Senta	Fe. NM 8750	S T FOD A					የ የ	ז חא דח ז	D A NED		NDED REPOR
I.	<u> </u>	EQUES		me and Address		ND AC	THOR	UZA1.	ION TO T	OGRII		
Home-	Stake	011 &	Gas Co	mpany					163			
15 E.	5th S	Street	, Suite							Reason for	Filing	Code
lulsa	, Ok.	7410	5							NW		
I	API Number					Pool Nam	-					ool Code
30 - 0 25	-34611		South	McCorm	nack.	SILU roperty Na	<u>rian</u>			4	5430	ell Number
236	• •			Sarah J						1.	***	2
		Location		ouran o	· OTHIO							
Ul or lot no.	Section	Township	Range	Lot.ldn	Feet from	the	North/S	outh Line	Feet from the	East/Wes	t line	County
J	22	225	37E		160	00	Sou	th_	2288	Eas	t	Lea
11]		Hole Loc	cation							4 8 9		
UL or lot no.	i '	. Township	Range	Lot ldn	Feet from			outh line	Feet from the		ı	County
12 Lee Code	. 22	22S 28 Method Co	37E	Connection Date	151	-129 Perm	Sou		2349 C-129 Effective	Eas		Lea 29 Expiration Date
P	Produce	E Memories	1	3/99		N/A			N/A		U -2	N/A
	nd Gas	Franspor		<u> </u>	!	117.71			117.71			
"Transpor	rter		Transporter N			» PO	D	31 O/G		22 POD ULS		
		noco ((R&M)		25	32 36	٦1	0	י יחיווו			2S-R37E
021778			Big Sp	ring					- 4	ah Joh		
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IV. Prodi	uced Wa	ter		······································								
	POD				,	POD UL	STR Loca	tion and I	Peecription	ט י עע		22
282 3	633	Wat	er Tanl	k-Sarah	Johr	ston	#1	Tank	Battery	/ T225	-R37	ec 22 7E
		ion Data										
" Spuc		*	Ready Date		27 TD		× PB		» Perío			DHC, DC,MC
5/6/		7/23		74			720		6350-6	3493		N/A
	31 Hole Size		 	asing & Tubing	Size		397	Depth Se	£	1.11	Sector S X	S Cement
17_1			13 3/			7	400'				Osx	<u> </u>
<u>`</u>	<u>1" </u>		 		·	<u> </u>		0.1	<u>-</u>		5/ŝx	,
7.7.	/8"	·	5 1/				747					\
VI. Well	Test Da	ta	2 7/	8''			630	5.		IV.	/A	
Date N			elivery Date	" Test	Date		" Test Le	ngth	· * Thg.	Presente	,	Cog. Pressure
7/23/9	9	7/27	3/99	7/25	/99		24_hr	•	100#			-D-
41 Choke		أنظاره واستدر	Oil	4º W			" Ges		*A			" Test Method
20/6			Bbls	1	Bbls		435	MCF		٠.		F
•	•			vision have been lete to the best o			Oī	T. CO	NSERVAT	ות אחד	VISI	ON
knowledge and belief.					A				.1011 21	VIOI	011	
Signature:		lasure				Approve	. oy:					
Printed name:	Larry	Tarwa	ter			Title:		- · · . · · · · · · · · · · · · · · · ·				
Title:	Production Engineer					Approval	Date:					
Date: . : 7		4		8) 583-								
If this is a d	hange of ope	rator fill in th	e OGRID nun	ober and mame	of the prev	ious opera	ter	-			s et Jarre Le	
	Possieus O	t Si				D-1-4-	4 Name		·	# () # ()		<u> </u>

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABLED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT

Report all gas volumes at 15.025 PSIA at 60°. Report all oil volumes to the nearest whole barrel.

A request for allowable for a newly drilled or deepened well must be accompanied by a tabulation of the deviation tests conducted in accordance with Rule 111.

All sections of this form must be filled out for allowable requests on new and recompleted wells.

Fill out only sections I, II, III, IV, and the operator certifications for changes of operator, property name, well number, transporter, or other such changes.

A separate C-104 must be filed for each pool in a multiple completion.

improperly filled out or incomplete forms may be returned to operators unapproved.

- 1. Operator's name and address
- Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office. 2.
- 3.

Reason for filing code from the following table:

NW New Well

RC Recompletion

CH Change of Operator (include the effective date.)

AO Add oil/condensate transporter

CO Change oil/condensate transporter

AG Add gas transporter

CG Change gas transporter

RT Request for test allowable (include volume CG Change gas transporter
RT Request for test allowable (Include volume requested)
If for any other reason write that reason in this box.

- The API number of this well 4.
- 5. The name of the pool for this completion
- 6. The pool code for this pool
- 7. The property code for this completion
- 8. The property name (well name) for this completion
- 9. The well number for this completion
- 10. The surface location of this completion NOTE: United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD unit letter.
- 11. The bottom hale location of this completion
- Lease code from the following table: Federal 12.

N

de from the follow Federal State Fee Jicarilla Navajo Ute Mountain Ute Other Indian Tribe

13. The producing method code from the following table:

Pumping or other artificial lift

- MO/DA/YR that this completion was first connected to a gas transporter 14.
- The permit number from the District approved C-129 for this completion 15.
- 16. MO/DA/YR of the C-129 approval for this completion
- MO/DA/YR of the expiration of C-129 approval for this 17. completion
- 18. The gas or oil transporter's OGRID number
- Name and address of the transporter of the product 19.
- The number assigned to the POD from which this product will be transported by this transporter. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here. 20.
- Product code from the following table:

 O Oil

 G Gas 21.

- 22. The ULSTR location of this POD If it is different from the well completion location and a short description of the POD (Example: "Battery A", "Jones CPD", etc.)
- · · · · 25. The POD number of the storage from which water is moved from this property. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here.
 - The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A Water Tank", "Jones CPD Water Tank", etc.) 24.
 - 25. MO/DA/YR drilling commenced
 - MO/DA/YR this completion was ready to produce 26.
 - 27. Total vertical depth of the well
 - 28. Plugback vertical depth
 - Top-and-bottom perforation in this completion or casing shoe and TD if openhole 29.
 - Write in 'DHC' if this completion is downhole commingled with another completion, 'DC' if this completion is one of two non-commingled completions in this well bore, or 'MC' if there are more than three non-commingled completions in this well bore. 30.

- Inside diameter of the well bore 31.
- 32. Outside diameter of the casing and tubing
- Depth of casing and tubing. If a casing liner show top and bottom.
- 34. Number of sacks of cement used per casing string

If the following test data is for an oil well it must be from a test conducted only after the total volume of load oil is recovered.

- MO/DA/YR that new oil was first produced 35.
- 36. MO/DA/YR that gas was first produced into a pipeline
- MO/DA/YR that the following test was completed 37.
- Length in hours of the test 38.
- Flowing tubing pressure oil wells Shut-in tubing pressure gas wells 39.
- Flowing casing pressure oil wells Shut-in casing pressure gas wells 40.
- 41. Diameter of the choke used in the test
- 42. Barrels of oil produced during the test
- 43. Barrels of water produced during the test
- MCF of gas produced during the test
- Gas well calculated absolute open flow in MCF/D 45.
- The method used to test the well:
 F Flowing
 P Pumping
 S Swabbing 46.

If other method please write it in.

The signature, printed name, and title of the person authorized to make this report; the date this report was signed, and the telephone number to call for questions about this report 47.

The previous operator's name, the signature, printed name, and title of the previous operator's representative authorized to verify that the previous operator no longer operates this completion, and the date this report was 48. signed by that person

Submix to Appropriate District Office State Lease -- 6 copies Fee Lease -- 5 copies DISTRICT I P.O. Box 1980, Hobbs, NM \$8240

State of New Mexico Energy, Minerals and Natural Resources Department

Form	C-1	0 5
Revis	ed i	1-25

OIL CONSERVATION DIVISION 2040 Pacheco St.

WELL API NO. 30-025- 34611

DISTRICT II P.O. Diswer DD, Arresi	., NM \$\$210		Sant	a Fe,	NM 8	7505			5. li	dicate Typ		TE 🗍	FEE XX
DISTRICT III 1000 Rio Brazos Rd., A	ziéc, NM 8741	0							6.5	tate Oil &	Ges Leans No		
	OMPLETIC		ECOMPLE	TION REP	ORT A	ND LO	G		V///				
LL Type of Well: OIL WELL X		ELL []		OTHER					7. L	acas Name	or Unit Agn	conest Na	onci
	•		DK1 [· ·				•	1	Sara	h Johnst		u.
b. Type of Completion		- FLUO	B	er —				٠	1	5012	ii Jonnsti		5
MELL X OVER	DESCRIPTION		·	zive 🗌 on	<u> </u>						e de apro-		*
2. Name of Operator	44			•					1 . 1	Well No.	30 mars		v.A.
3. Address of Operator	Home-St	ake Oll	& Gas Com	pany			· ·		9.	OOL Barne	or Wildow		
		th Stree	t. Suite	2800 T	ับโรล.	OK . 74	1103			outh Ma	Cormack,		16
4. Well Location						<u> </u>	.,,,,,			outh He	oor mack,	SILUE	lan
Unit Letter	<u>J: 16</u>	00F	at From The _	South		Line :	_	2288	3	Feet F	rom The	East	·Line
Section 2	2	To	waship 22	· c	Range	37E			NMPA	1	10 25		-
	11. Date T.D. 1	Reached	12. Date Co		Prod.)					KB, RT, G	R. etc.)		County
5/7/99	6/6/99			3/99		1 3	3351 ¹			33691		3353	· -
15. Total Depth		Back T.D.]	17. If Multiple Many Zon	Compt. H	low	18.	aterva Drilled	E 1	Courty Too	ls .	Cable To	ak
74751		7205 '	Dom - No.		N/A		<u></u>			0-TD		None	
19. Producing Interval(s	inkard 6	-								\ \frac{1}{2}	20. Was Dire		vey Made
21. Type Electric and O		7770 -04	90							22. Was W	Ye	s	
Indu	ction, Der	nsity/Ne	utron							22 W SE W	No No		
23.		C	ASING R	ECORD	(Repor	t all si	rings	set i	in we	H)			
CASING SIZE		TLB/FT.	DEPT	H SET	HO	LE SIZ				NTING F	RECORD	AM	OUNT PULLED
13 3/8"	484		397			1/2"					to surfa		-0-
8 5/8"	32#		3400			1"					to surfac	;e	-0-
5 1/2"	15.5	D#	7472	<u></u>		7/8"		955	sx (C1 'C'			-0-
												_	
ય		LI	VER RECO	RD				12	25.	π	JBING RE	CORD	
SIZE	TOP		MOTTOM	SACKS CE	MENT	sc	REEN			IZE	DEPT	H SET	PACKER SET
None				ļ					2 7	/8"	6305	!	6305
26. Perforation rec	ved (interval		Sumber!	CDE (07		1	A CTID	<u> </u>	VT T	A CTT II	DE CENTE	ATT CO	UEEZE, ETC.
6350, 6364, 63				•			TH INT						TERIAL USED
6428, 6430, 64						-	0'-64		_		gals 15%		
6467, 6485, 64			440, 0433	, 0401, 0	400,		1-649						700# 20/40sd
													
28. Date First Production		<u> </u>		PRODU									
7/23/99	1	PTOCAL	ction Method (Flowing, gaz i	i ds' broub e	of - Zine	and typ	e beed	P)	•		ducing	i.orShuin)
Date of Test	Hours Test	ed	Choke Size	Prod'n F	or (Oil - Bhi		Gar	- MC	F	Water - Bbl		Ges - Oil Ratio
7/25/99	24		20/64"	Test Per		126			435	[25		3452
Flow Tubing Press.	Casing Pro	asure	Calculated 24 Hour Rate		L		- MCF			r - BbL	Oii C		P1 - (Corr.)
100#	0	لــــــــــــــــــــــــــــــــــــــ		126			435		2			38.8	
29. Disposition of Gas	(Sold, used for)									Test	Witnessed B	y	
30. List Attachments			Sold - GPM								B. Dean		
)	lectric L	ogs, Dev	iation Su	rvey									_
31. I hereby certify th					m is true	and co	mplete	to the	best o	of my kno	wiedge and	belief	
	1		_				-				_		1
Signature 27	5-1/	esuck		Printed La	arry Te	rwate	<u>r</u>		_ Tu	e Produ	ction En	ineer	7/26/99

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drille or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all specia tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, tru vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico					Northwestern New Mexico				
T. Anhy			T. Canvon	T. Oio A	lamo		T. Penn. "B"		
T. Salt	T. Salt T		T. Suzwu	T. Kirda	nd-Fruitl	md	T. Penn. "C"		
B. Salt_			T. Atoka	T. Pictur	ed Cliffs		T. Penn. "D"		
T. Yates			T. Miss	_ T. Cliff	House		T. Leadville		
T. 7 Rive	zz		T. Devoniza	T. Mene	fce		T. Madison		
T. Queen			T. Silurian 7,233	T. Point	Lookout		T. Madison T. Elbert		
T. Graybi	irg		T. Montova	T. Mano	05		T. McCracken		
T. San A	ndres_39	90	T. Simpson	T. Gallu	D		T. Ignacio Otzte		
T. Glorie	5040	·	T. McKee	Base Gn	enhom_		T. Granite		
T. Paddoo	生 5210		T. Ellenburger	T. Dako			T		
T. Blineb	ry 5420)	T. Gr. Wash	T. Morri	son		т.		
T. Tubb	6015		T. Delaware Sand	T. Todil	ωα		Т.		
T. Drinka	rd 634	15	T. Bone Springs	T. Entra	da		т		
T. Abo	6900		Т.	T. Wine	T. Wingste		T.		
T. Wolfcamp		<u> </u>	T	T. Chin	c		T		
T. PennT			T	T. Perm	ain		Т		
T. Cisco	(Bough C	ົງ	T	T. Penn	"A"		T		
No 1 fm	· 64	10	OIL OR GAS	SANDS O	RZONI	ES 5420	to 5580		
No. 2 for			m 6070	No.	, HUIL	5210	5290		
No. 5. Er	504	40	to 5170 IMPORTANT	T WATER	CAND	R No. 6. From	to 5290 m 3990 to 4160		
			uflow and elevation to which water:			3 110.0,110			
						£	-		
No. 1, 110	VIII ~~			**********	•••••	ICCL	*************************		
NO. 3, III	UIII		LITHOLOGY RECORD						
From	То	Thickness in Feet	Lithology	From	То	Thickness in Feet	Lithology		
Surface	700	700	Sand & Conglomerate						
70 0	2500	1800	Anhydrites & Shales						

From	То	in Feet	Lithology	From	То	Thickness in Feet	Lithology
Surface	700	700	Sand & Conglomerate				
70 0	2500	1800	Anhydrites & Shales		ļ		
250 0	3600	1100	Dolomites & Anhydrites				
360 0	3990	390	Sandy Dolomite				
3990	6900	1910	Dolomites & Shale	l I			
6900	7233	333	Limestone & Dolomite				
,							

CERTIFIED SURVEYS

HOME STAKE OIL & GAS COMPANY

SARAH JOHNSTON #2
LEA COUNTY, NEW MEXICO
SEC. 22-T22S-R37E

JUNE 10, 1999



A HALLIBURTON COMPANY





A HALLIBURTON COMPANY

9800 West Reno / Oklahoma City, OK 73127 / 405-324-2222 / 405-324-1009 (Fax)

June 10, 1999

Re:

Home Stake Oil & Gas Company

Sarah Johnston #2 Sec. 22-T22S-R37E Lea County, New Mexico

Enclosed please find the original surveys performed on the referenced well by Halliburton/Sperry Sun.

Name & Title of	<u>Drainhole</u>	Surveyed Depths	Dates Performed	Type of Survey
Surveyor	Number			
John Strahan	Sidetrack	5305' - 7375'	05/25/99 -	Directional/MWD
Directional Driller			06/06/99	

If any other information is required, please contact the undersigned at the letterhead address and phone number.

Dave Egedahl

Operations Engineer

My Commission Expires: 11-30-99

Shannon Lee Notary Public

	IRLIRTON	
		1 11 15 15 15 1
ŀ		

Job No.:

POST WELL SUMMARY

Page 1 6/10/99 3:15:04 pm Version VER2.2.6

From May 25, 1999 To June 6, 1999

AFE No.: SEC. 22-T22S-R37E

Company Man: KEN MOZINGO

			MOTOR SERIAL No.	65M-047 HT64136		ormance	
	-ING		AX. BH TEMP °F		REASON FOR TRIP	MP - Motor performance	<undefined></undefined>
00	DRILLINGAVERAGEVERAGE DRILLING DAYS FTG/DAY HRS/DAY	11.79	DRILLING AVERAGE AVERAGE FLOW ON-BOTTOM MAX. BH TEMP HOURS ROP BUILD gpm psi °F	1838 1825	STAB DISTANCE O.D. CTR TO BIT		*****
NEW MEX SON N	RILLINGAVERAGE DAYS FTG/DAY	178.80	FLOW (00	STAB O.D. C		
LEA COUNTY, NEW MEXICO MATT, DON/JASON JOHN STRAHAN	DRILLINGA DAYS	11.58	AVERAGE BUILD	2.13	n_CAP	EED 5/6	EED 5/6
	AVERAGE ROP	15.16	AVERAGE ROP	8.39 20.40	MOTOR Description_CAP	6-1/2" SLO-SPEED 5/6	X 1.50° bend 6-1/2" SLO-SPEED 5/6 X 1.50° bend
Location: MWD Operator(s): Dir! Driller(s):	DRILLING HOURS	136.50	DRILLING HOURS	59.50 77.00	20	φ;	×ώ×
	FOOTAGE DRILLED	2070.00	FOOTAGE DRILLED	499.00 1571.00	(/32nd)		
GAS MEXICO			ANGLE	11.10 12.10	BIT BIT MODEL NOZZLES (/32nd)	12 12 12	12 12 12
HOMESTAKE OIL & GAS LEA COUNTY, NEW MEXICO HOMESTK			. рертн оит	5305.00 0.48 5804.00 11.10 5804.00 11.10 7375.00 12.10	BIT MODEL	F47-HPS 12 12 12	F47-HPS
HOMESTA LEA COUN HOMESTK			H ANGLE	5305.00 0.48 5804.00 11.10	۲ (in)	3	
Operator: Field: Well:			A DEPTH	5305.C 5804.0	A BIT . SIZE(in)	7-7/8"	7-7/8"
o o				7	BHA No.	1	7
;			RUN No.		RUN No.	4	~

KICK OFF & BUILD 3 DEG/100 TO 15.3 @ S47W FINISH BUILDING ANGLE & HOLD TO TD

60.00 101.67

16.74 21.16

7.32

63.00

52.75 14.00

386.00 113.00 238.00 1333.00

← α

COMMENTS

CIRCULATE HRS

ROTATE ROP

SLIDE ROP

ROTATE HRS

SLIDE ROTATESLIDE FTG FTG HRS

BHA No.

RGN No.

HALLIBURTON DRILLING SYSTEMS

Survey Report

Date: 6/10/99 Time: 3:42 pm

Wellpath ID: HOMESTK Date Created: 5/28/99 Last Revision: 6/10/99

Calculated using the Minimum Curvarture Method Computed using PDS VER2.2.6 Vertical Section Plane: 224.29 deg.

Survey Reference: WELLHEAD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD TVD Reference: WELLHEAD

HOME STAKE OIL & GAS COMPANY

LEA COUNTY, NEW MEXICO McMORMACK; SILURIAN, SOUTH

SARAH JOHNSTON #2 SEC. 22 - T22S - R37E

SURVEY

Measured	Incl	Drift	Course	TVD	Vertical	TOTAL		DLS
Depth		Dir.	Length		Section	Rectangular		
(ft)	(deg.)	(deg.)	(ft)	(ft)	(ft)	(ft)	(ft)	(dg/100ft)
TIE-IN TO	GYRO:	SURVE	Y @ 5200'	MD				
5200.00	0.95		0.00	5198.60	-93.57	51.30 N	81.41 E	0.00
5282.00	0.70	37.20	82.00	5280.59	-94.74	52.13 N	82.24 E	0.38
BHA #1 @	5305' 6	5 1/2" S	S 5/6 x 1.5	° BEND - F	47-HPS			
5313.00		30.20		5311.59	-95.03	52.38 N	82.41 E	0.99
5344.00	0 10	320.50	31.00	5342.59	-95.14	52.49 N	82.44 E	1.22
5376.00		240.90		5374.59	-94.96	52.43 N	82.26 E	2.15
5407.00		219.50		5405.58	-94.43	52.42 N 52.05 N	81.87 E	2.15
5407.00	1.30	219.50	31.00	3405.56	-94.43	52.U5 N	01.07 =	2.25
5438.00		224.50		5436.57	-93.48	51.36 N	81.23 E	2.94
5470.00	3.20	225.60		5468.53	-91.97	50.29 N	80.16 E	3.13
5501.00	4.20	223.60	31.00	5499.47	-89.97	48.87 N	78.76 E	3.25
5533.00	5.30	224.90	32.00	5531.36	-87.32	46.97 N	76.90 E	3.45
5595.00	7.40	224.90	62.00	5592.97	-80.47	42.11 N	72.06 E	3.39
5658.00	9.00	230.60	63.00	5655.33	-71.51	36.11 N	65.39 E	2.85
5720.00	9.90	230.40	62.00	5716.49	-61.39	29.64 N	57.54 E	1.45
5783.00		232.20		5778.50	-50.37	22.70 N	48.87 E	0.94
			S 5/6 X 1.5					
5846.00		228.80		5840.25	-37.94	14.72 N	39.25 E	3.50
5940.00	14 60	224,10	94.00	5931.63	-15.95	0.49 S	23.35 E	2.52
6032.00		224.10			7.39	-		
				6020.61		17.24 S	7.09 E	
6126.00	14.00	225.80	94.00	6111.66	30.77	33.77 S	9. 44 W	0.95
6220.00	13.40	224.30	94.00	6202.99	53.02	49.50 S	25.20W	0.74

HALLIBURTON DRILLING SYSTEMS

Page 2 Date: 6/10/99

Survey Report

Measured Depth	Incl	Drift Dir.	Course Length	TVD	Vertical Section	TOTAL Rectangular Offsets		DLS
(ft)	(deg.)	(deg.)	(ft)	(ft)	(ft)	(ft)	(ft)	(dg/100ft)
6314.00	14.60	226.80	94.00	6294.19	75.75	65.40 S	41.44W	1.43
6409.00	14.30	228.00	95.00	6386.19	99.42	81.45 S	58.89W	0.45
6471.00	14.40	227.60	62.00	6446.25	114.76	91.77 S	70.27W	0.23
6566.00	13.90	228.70	95.00	6538.37	137.93	107.27 S	87.57W	0.60
6628.00	13.50	229.60	62.00	6598.61	152.56	116.87 S	98.67W	0.73
6691.00	12.90	230.00	63.00	6659.94	166.88	126.16 S	109.66W	0.96
6754.00	12.80	223.20	63.00	6721.37	180.86	135.77 S	119.82W	2.40
6816.00	14.80	226.00	62.00	6781.58	195.64	146.28 S	130.22W	3.40
6910.00	15.10	227.10	94.00	6872.39	219.87	162.95 S	147.83W	0.44
7004.00	14.80	229.20	94.00	6963.21	244.06	179.13 S	165.89W	0.66
7098.00	13.80	228.50	94.00	7054.30	267.21	194.41 S	183.37W	1.08
7161.00	13.40	227.00	63.00	7115.53	281.99	204.36 S	194.34W	0.85
7325.00 PROJECT		225.50		7275.49	318.16	229.37 S	220.50W	0.82
7375.00		225.50		7324.38	328.64	236.72 S	227.97W	0.00
								0.00

