

SUB-SURFACE DIRECTIONAL SURVEY REPORT

NEWHALL RESOURCES

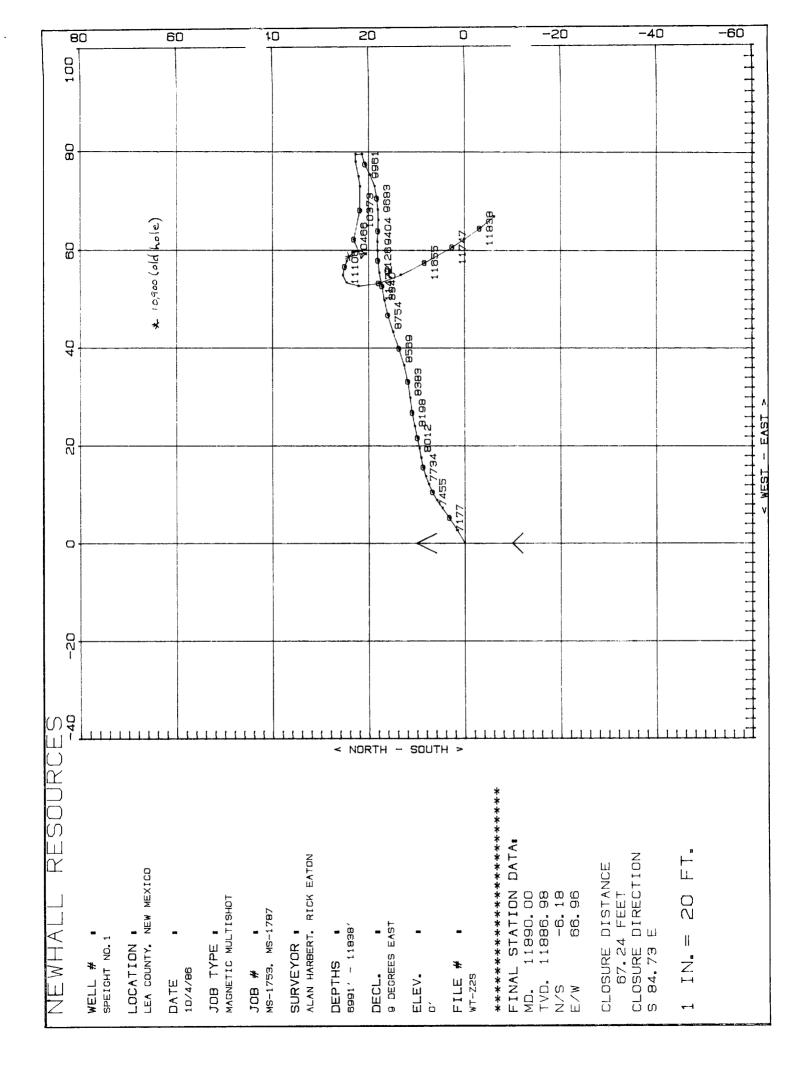
COMPANY
SPEIGHT WELL NO. 1

LEA COUNTY, NEW MEXICO

STATE AND COUNTY

CERTIFIED REPORT

MECANIA 1986



MECENTAL 1986

NEWHALL RESOURCES USTONER

SPEIGHT NO. 1

ILEA COUNTY, NEW MEXICO CCATION

110/4/86

IMAGNETIC MULTISHOT OB TYPE

:MS-1753, MS-1787

HALAN HARBERT, RICK EATUN URVEYOR

:6991/ - 11838 EPTHS .9 DECKEES EAST ECL.

Š LEV. :WT-Z28 # CURVATURE RADIUS COHLE

RETION

SUPPORTED BY ACTUAL FIELD DATA:* **獥** OF MY KNOWLEDGE AND IS DIG REPRESENTATIVE BEST

THIS SURVEY IS CORRECT TO THE

INAL STATION DATA!

譹譱繤魒醿囖軉쿓薒汄艞蒤馣薉捿獙欁艞瘱泘纗菨閁潐諨菗褜尣巈謪榥迬胅菋褜弡潊箤駾綔脠紸籔鏭颒嵡籂鄵譺縺畭毊潊緰橠鄵鍦 瘱鍦鍦霥瘱鱌 媙 * SEVERITY DG/180F7 \$ DOG-LLG DISTANCE DIRECTION ند. ند * RECTANGULAR * COORDINATES 2/2 * VERTICAL T 1-1-1-1 LENGIH CUUKSE ا۔ الد: الد: الد: * DIRECTION 01.68 T T MEASURED * INCL. HNGLE DECS. DEP TH FEET

鸋裚靝룢鵸謪霿瘱蔜覾孨∙靟疺袳竂雗壉嚝媋堒迬鵸綕衤枈禭豙繬鎞摝縘猆蒃獇礈淁犘枽숓熋訸鋛饖湬戁垬鏥湽猉夂浱竤溬蓔旟躃襋嶶敪鍦譺譺譺譺譺譺譺譺譺譺譺譺譺譺譺 67,247 9 84,74 E 66.90 E ာ ် လ 52,00 # 11086,98 # 抻 田 00 757 00 番 4.30 11896,00 *

30'3

濅

+ ee +

100° 21 1086

MEMMALL RESOURCES SPEICHT NO.1

0101010 017-78

30/60/90

90:20:20

PACE 1

摝鍦齱橳舽毊驇鵩毈躹舽舽豥贕贕躿舽舽潊嫷룛囄躿艆麬菨綼蕀浧鐬橣싦牃甧駓廰觩瓳襐騇憗紸鐎諈纞豥髛閁獂莻岴鞂羺攠磤憗譺譺錽飶潊譺縺縍豥騇蔱恏竤淭諨譺篗筬泟疧埉碞敓紶泟嵡憗鵩竤灹諚萻簨籖辸矌瘱癓喖襐悜皷毊瘵敥鵩贕贕贕贕癓癓鍦憗贕贕贕鵩鵩鵩鵩鵩鵩鵩鵩鵩鵩鵩鵩鵩鵩鵩 堻鍦劆儎舽霿豑鵩鵩躿蕥舽豥 癳衸觮譹褖顤礉譤窏霋栆縺慦濲蟕 SEVEN: I'V 06/160FT DUL-LEG νį. U. 00 r s 4 /****<u>}</u> ক া N 10 1_ ងស្ :€ # ₹. ._. [:] S. 70株 70株 188 1**88** 384 SH 46 **建** 36 A DISTANCE DIRECTION اسدا نب ندا لدا ندا ان لا لا لا لله للها لك لد لدا لد للافالية لتا تو تنا لو نوا ليا ليا ليا ليا DL.GS. 3.35 3.75 ₹ 8 70.29 8 70.99 38. 38. 38. 38. 56.85 56.39 M 71.03 N 70.99 90'30 N N 59, 62 N 60.95 N 62:70 N 64.10 14 CD M N 66.60 8 57.73 × (Y. 13) 71. N 72,67 # 72 - BB N 72,22 71.45 z: z: 2 . 2. 8,577 90.9 % 8cc. 6.0cc 14.30 .90'91 58.85 oŭ.65' .788.7 100.401 14.5% 12,46 19.80 21.67 187.88 38,577 .61.97 NO ON 000000 10.50 . - S 31 .65. . dv 1 ' ∵ † 45.791 - 144 雅 瓣 瓣 辨 44 糠 海 鄉 潮 縺 ** 潮水 油酸 444)_{.1.3} فعا المنا لدا در 14 144 tal tal ECTANSULAR UURUINATES E 0 : 0 15.6 17.51 29.76 8.6c 5.1c 35.05 54.45 े हा ज 30.4° 13,80 17.60 49.74 NO. 10 10,48 12,18 67,98 Feet E/W 24,03 46.66 50,00 21 zzzz zzzzz . Z 2: ZZ -2 2 2 3 7 2 2: 9,2 10.40 000 17,22 9274 10.07 0.00 50 m 4,68 5,83 8.12 ವಿ ಕ್ರಿ ক্ষ্' ঠ 32.51 7.50 9.08 98,88 () () () 18.98 16,69 04 SURVEY STATION AL 6991 MD 棒 0.00 \$ 000.0 碘 海珠 海阜 180 7483,95 7547.81 7640.79 51.977,553 CRB7.,583 8661.31 8755.23 W VERTICAL 7268.87 7:76.98 7561,84 7454,83 77.33.77 7025,75 7918.73 5011.78 8885.588 3470,45 829 B 8845.19 8939.15 9032.10 9125.07 8:04.67 9218.05 **数 00.86** 92.00 \$ 藩僚 \$ 0.0° 9. 编 輔 ಈ 12 40 00 44 4 海朱 7 93.00 92.00 93,00 93,00 93,00 95.00 92.00 93.00 90.08 93.66 93.00 95.80 93,00 93,00 92,80 93,00 98,08 93.00 LINGTH COURSE I I I I I 编辑 油柴 4箱 :48 49 AS ASSUME VERTICAL TO FIRST نها ندا ندا ш شها الما * DINESTION * N 61.00 E ليا تيا لدا لبا لدا لنبا ليد لها ليا ليا ليا ليا भा भा भा भा 20.00 × * * × 555,00 * × 556,00 58.0s N CAL 11 77 .00 00.07 N M 71.00 71.00 74,00 Es, èu 87.00 80,00 79,88 N 70.00 å DEGS. 64.00 76.00 N 75,60 89.80 N 79.00 W 8/.00 HOLE 2: 乙鄉 2 22 z Z. 2 2 DEGS, AMELE 2.00 ij†, <u>1</u> 1,10 1.10 88°7 09' ; 1.83 2.08 1 1/20 1.40 INCL. 08/1 # 00/1669 27 T = 98 +1 <u></u> AE 381年日 秦 : ##**#** 7548.00 7826,88 7269,00 5476.88 7884,00 7177.00 7362.00 7641.80 7734,00 8105,00 8198,00 8383.00 8559,00 8847.00 8940,00 9126.00 7455,88 7919,00 80:2:00 3662,00 8754.00 9033.00 9219,00 8290.00 PEP IN FEE

RECEIVED 1986

NEWHALL RESOURCES SPEIGHT NC.1 UT-128

PAGE 2 00:27:23 00:38/00

法国籍的	· 新春	经被销售 對 對 對	电影影影影影影影影影影影影影影影影影影影影影影影影影影影影影影影影影影影影	· · · · · · · · · · · · · · · · · · ·			源中藏語日謝福原日報表數經出	在美术教建设及还要按查安	1000	***************************************	· · · · · · · · · · · · · · · · · · ·
	****					TRUE			的 军形马来的数 杂刺激素 未分子者	雅 李 光 光 光 光 光 光 光 光 光 光 光 明 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	医毒素管理疗法检查
	MEASURED *			冷靠	Sauco	URITCHL *	RECTAN	Œ		₩ DUG-LEG	
	# TI-0170	AMOLE	* DIMEDICA	胸墙	LENGTH	H 470		* の以上です	ANCE DIRECTLU	ALLEMENT &	
海影響等海海	(20) (20) (20)	のできる。	數學整理與數學數學 1990年	海	· · · · · · · · · · · · · · · · · · ·	謝 (報 (者 (表	事業権所称で発展が発展的	· · · · · · · · · · · · · · · · · · ·	金森林療験等等条条の というしょ	1007/07 6	级海港需逐
	- - !*	-	Đ	:de	:: :: :: ::	13 17 17 17	Ľ	ŧ			THE RESERVE AND ADDRESS OF THE PARTY OF
	o :	-		Be i	> : > :		·		0.07 2	•	
		∩ '	က (၁) (၁) (၁) (၁)	13	=======================================		3	 	,46 N 74,25	•	
		~~	900 1000 2000 2000 2000 2000 2000 2000 2	海狗	= = 10		ر ا	-0	8,527 # 74,85	OU 200	
	99.0		6 2	- (4)	93.00	9086.98	-			*	
	\$083.00 *	TP (12)	R 855,00 E	演像	95.00	9681.92	Z 50'87	70.60 E 🛎	2,937 R 75,48	().j. ().j.	
:	:										
			N 74,00	換奪		773.	70	_	75.62	(A)	
	00	1.30	# N 61,88 E	淋	\$2.00		39.	2) (*)	75.33	(C) (I)	
			N 65.80	14	₩ 00°£6	SB 0506	0.75	্	149 N 75, 40		model appearant that the second popular of
	10054,00		# N 88,00 E	12	95.00	10052,80	21,41 N	79,54 日業	377 N 74.	•	
	10147,00 #	88° -	* N 82.00 W	编	98.00	10145.78	12.77	ે. આ	1/ N 74.02	10 Cl	
	0.187.0	[43	76.00	****	40.00	10185.75	. 7 i	٥.	73.76	1900 at 微	
	123	in)	75 HO 10 K	縺	EG.00	10238,66	ф —		4 N 73,60	V0.	
	10280.00	ηį	8 87,00	嘲	40.00	10278.61	-		6,21 / M 73,36		
	00'	κĵ	् े य	:\$ 18	92,00 *	10371,48	03 03	数 () () () () () () () () () ()	2,96'		
	10466,00 *	99'5	=======================================	鐮	₩ 00.5%	# 857 80 BCT	N 30 57		3 69 84 W 75 90	() () () () () () () () () ()	
	# 00 \SS01	\$ 50° T	(3) (4) (4) (4)	存養	(C) (D)		. Zi	100 100 100 100 100 100 100 100 100 100	3 5 5 5 W 7 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		Approximately and the model of the control of
	0649.50	-	N 60.00	糖	=	66-47.3	υ[1 (~)	الله ا الله ا	182 N 79.72	-	
	- - -	t	N 10.03	:#k	00		古古 一	ر ا	.62' N 70,3	\^^.	
	10832,00	-	# N 31.100 #	:14E	92.00	10850.13	2 CP . EQ	3916	/8°89 N €	70]	
	10923,00	7.0	30 00 Y 40 8	紼	# 00'To	10921,12		58,75 E	63,48° N 67,68 E	10 10	
	015,00	-Đ	Š	,4 8 ;	=	-	4. (C)	(\s	.79 N 65.98	今(1) (***********************************	
	1106.00	3 ·	N 65,00	摊	-		် (10. 22. m	SS N 66,18		
	198.00	Od ,	* N 80',00 W	淋	=	ф .5	25,37 N	24,86 E ★	T'69 N	:	
	289,08	_	00 40 C	塘	-	1200/07	4.50	14 25 19	797 N 65, 27	/1 · 1	
	* 00 1001	e P	91.00	磁瓣	₩ 00°36	11379,03	N OLISS	50.00 E	57,10° N 67,23 E	8	

000 21 086

MEWSALL REGULACES SPEISHT NO.1

0.0760700 PAGE 3

## 1RUE ## 1RU	经验 经被继续 经 经	湯糖糖 糖糖 排 排 糖 糖 糖 糖 糖 素 素 素 素 素 素 素 素 素 素 素	詳緒線線影線	編 編 編 編 編 編 編 編 編 編 編 編 編 編 編 編 編 編 編	糠	建	建糖体标法 旅游线 編稿	排辦辦	转数转运搬转以额回接转	輸級機器與其其機器	非社会社会社会社会社会	装箱棉料纸料料料桶料料		解释移籍科	雅林林林林林林林
## INCL. # HULE # LUUNSE # VLRIICHL # R E C 1 A N G U L A R # C L G S U R E E # DLES. # DLES	**		:#¥		淋		-	***		: 3 \$			₩		
(1) PECTION		INCL.,		щ		CUURSE	3	**	-			9 N E		JGL.G	
## DEGS, ## DLGS, ## FLET % FLET % FLET		ANGLE		ECTION	***	LENGIH	D.	轡			DISTANCE	DIRECTION		VERLITY:	
2,00		DEGS.		165.	識	F 1 1 1 1 1	·-i	编				Dt. 655.		DG/100F7	
# 3.00 # 5 15.09 E # 91.00 # 11459.93 # 17.94 N 55.24 E # 56.15" N 71.38 E # 3.20 # 5.20 E # 56.52" N 75.42 E # 5.80 # 5.29 E # 5.80 N 71.38 E # 5.80 # 5.29 N 57.46 E # 58.06" N 81.76 E # 4.40 # 5.29.00 E # 92.00 # 1154.39 # 2.57 N 50.65 E # 50.70" N 87.56 E # 4.40 # 5.29.00 E # 92.00 # 11744.39 # 2.57 N 50.65 E # 50.70" N 87.57 E # 4.30 # 5.39.10 E # 64.58 S 87.21 E # # 4.30 # 5.39.10 E # 64.58 S 87.21 E # # 91.00 # 11835.13 # 5.15 S 64.50 E # 64.58 S 87.21 E # # 91.00 # 11835.13 # 5.15 S 64.50 E # 64.58 S 87.21 E # # 91.00 # 11835.13 # 5.15 S 64.50 E # 64.58 S 87.21 E # # 91.00 # 11835.13 # 5.15 S 64.50 E # 64.58 S 87.21 E # # 91.00 # 11835.13 # 91.00 E # 91.00 # 91.00 # 91.00 # 91.00 # 91.00 # 91.00 # 91.00 # 91.00 # 91.00 # 91.00 # 91.00 E # 91.00 E # 91.00 #	海洋等等 等	建筑建筑	() () () () () () () () () ()	1000 1000 1000	建 第 第	新華新華美華	· · · · · · · · · · · · · · · · · · ·		緣法數法以數學	新班班班班班班班班班班班班班班班班班班班班班班班班班班班班班班班班班班班班	新城市市新城市	秦林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林林	**	· 秦春春 游	類然 海糖素素酶 過 素
# 3.29 # 5.25,00 E # 92.00 # 11551.80 # 15.27 N 55.94 E # 55.06 N 75.42 E # 3.80 # 5.90 E # 91.00 # 11652.63 # 8.32 N 57.46 E # 59.06 N 81.76 E # 4.40 # 5.29,00 E # 92.00 # 11744.59 # 2.57 N 50.65 E # 50.70 N 87.57 E # 4.30 # 5.39,00 E # 91.00 # 11835.13 # 5.15 S 54.50 E # 64.56 S 87.21 E # FINAL STATION IS PROJECTED		3.00	ហ		糖	91.00				LLI	31.30	200	鴻龍	1,04	
* 3.80 * 5.29,00 E * 91,00 * 11244,39 * 8,32 N 57,46 E * 59,06 N 81,76 E * 4,40 * 5.29,00 E * 92,00 * 11744,39 * 2,57 N 60,65 E * 60,70 N 87,57 E * 4,30 * 5.37,00 E * 91,00 * 11835,13 * 5,15 S 64.50 E * 64,58 S 87,21 E * FINAL STATION IS PROJECTED		©.	ហ		辮	96,28				94 E	56.32	70.4°	***	.00	
# 4.40 # 5.29.00 E # 92.00 # 11744.39 # 2.57 R 60.65 E # 60.70 N 87.57 E # 4.30 # 5.37.00 E # 91.00 # 11835.13 # 5.15 S 64.50 E # 64.55 S 87.21 E # FINAL STATION IS PROJECTED		-	QO	=	編集	-	 1			ندا		81,76	***		
# 4.30 # 5.37.00 E # 91.00 # 11835.13 # 5.15 \$ 64.50 E # 64.50 S 87.21 E # FINAL STATION IS PROJECTED		-	ijn.	=	35	-				LLi		(ii) (iii)	***	7:	
FINAL STATION IN PROJECTED		-	w		:专养	91.00		-11.7	<u></u>	i,j		12,78	群	35 4.	
一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	1-4 1-4	NAL STA	TION IS	PROJEC	TED										Control of the contro
* 1 07.10 0 19.70 % 1 07.00 0 0 01.0 # 07.000 0 0 19.70 % 1 07.70 % 1 07.70 %	1000	4.30			-98	52,00	41866.98	***	(0)	66,96 F	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		瓣	0,0	

67,24 FEET. S 84,73 E CLOSURE DISTANCE = CLOSURE DIRECTION =

HORE 1986



SURVEY CERTIFICATION

STAT	E	TEXAS						
COUN	NTY OF	MIDLAND						
	Ι,	Rick Eaton			, in the	employ of	D.1.0	3., Inc., did
on the	e days of	October 4	, 19 ⁸⁶	through	October 4	, 19	86	_conduct or
super	vise the	taking of a	Magnetic M	ultiple s	Shot		su	rvey by the
metho	od of ma	gnetic orientat	ion from a de	pth of	10466	_ feet to	118	138
feet,	with rec	ordings of incli	nation being	obtained at	t approximate	e intervals (of)3
feet.								
	This sur	vey was condu	icted at the re	quest of	Newhall Res	sources		
for th	eirSp	eight Well N	o. 1		_,	Lea	 	County,
State	ofNer	w Mexico	in the					
	The dat	a for this surv	ey were obtai	ned by me	according to	standards	and	procedures
as set	forth by	/ D.I.G., Inc.,	and is true an	d correct to	o the best of	my knowle	dge.	
					ck Eaton	to		

The data for this survey has been examined by me and conforms to the principles and procedures as set forth by D.I.G., Inc.

Larry Massey

Larry Massey



SURVEY CERTIFICATION

STATE	TEXAS				
COUNTY OF	MIDLAND				
ı	D.A. Harbert		in the 6	employ of D	IG Inc did
•	May 14 , 19				
supervise the ta	king of a <u>Magnetic</u>	: Multiple S	hot		survey by the
method of magr	netic orientation from a	a depth of	6991	feet to10	466
feet, with recor	dings of inclination be	ing obtained a	t approximate	intervals of_	93
feet.					
This surve	ey was conducted at th	e request of $_$	Newhall F	Resources	
for their	Speight Well No.	1		Lea	County,
State of	New Mexico in the			field.	
The data	for this survey were o	btained by me	according to	standards ar	nd procedures
as set forth by	D.I.G., Inc., and is tru	e and correct t	o the best of m	ny knowledge	∍.
			MU 1	1	
		A	Mache	il	
			D.A. Harbert	5	

The data for this survey has been examined by me and conforms to the principles and procedures as set forth by D.I.G., Inc.

Larry Massey

Larry massey

00T 9.1 1986