Fcgm 3160-3 (April 2004)	UNIT DEPARTMEN BUREAU OF L	association well, an O	pits are used in with the drilling of this CD pit permit must be rior to pit construction	لم ترجع	FOR OMB Expire	M APPROVED NO. 1004-0137 Is March 31, 2007		
APPLIC	CATION FOR PERM	IT TO DRILL (OR REENTER		ease Serial No. ۱۹۹۲ کرکی ۱۹۹۲	<u>HL NM 13413</u> E		
la. Type of Work	DRILL	REENTEI	R	6.I	f Indian, Allotee o	or Tribe Name		
1b. Type of Well X Oil We	ell 🗌 Gas Well [Other	Single Zone Multiple Zon	e 7.U	Jnit or CA Agree	ment Name and No. .75257		
2. Name of Operator		15	742		ease Name and V	Vell No.		
Nearburg Producing Com 3a. Address	npany	/0	3b. Phone No. (include area co		Salt Draw 11 API Well No.	1 Federal #2		
	Ste 120, Midland	I, TX 79705	432/686-8235	9.1	30-01	5-35187		
 Location of Well (Report locat At surface 2544 FSL an 	tion clearly and in accord SUBJEC nd and 330 FWL	ance with any State CT TO LIKE	432/686-8235 e equirements)* APPROVAL BY STATE RECEIVED			Exploratory , SW; Delaware or Blk. and Survey or Are		
At proposed prod. zone	330 FSL and 66	SO FWI	NEVEN			-		
14. Distance in miles and direction f			NOV 2-8-2005		Sec 11, 25S County or Parish	13.State		
	•	SE of Carls	sbad OCL-ARTESIA	Edd	-	NM		
15. Distance from proposed*			16. No. of Acres in lease	17.Spacing	g Unit dedicated t	to this well		
location to nearest property or lease line, ft. (Also to nearest drg. unit line,	330 if any)		1520.06	r -	80			
18. Distance from proposed location			19. Proposed Depth	20.BLM/I	BIA Bond No. or	n file		
to nearest well, drilling, comple applied for, on this lease, ft.	eted, 1320		6700		NMB000	NMB000153		
21. Elevations (Show whether DF, 1 2915	KDB, RT, GL, etc.		22. Approximate date work will start* 23. Estim 11/15/05			mated duration 40 days		
			Attachments					
 The following, completed in accord Well plat certified by a register A Drilling Plan A Surface Use Plan (if the loca SUPO shall be filed with the approximation of the statement of the statemen	red surveyor.	ts of Onshore Oil a System Lands, the	nd Gas Order No. 1, shall be attached 4. Bond to cover the operat Item 20 above).	ions unless o	covered by an exis	.		
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STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

Nearburg Producing Company 3300 North "A" Street, Building 2, Suite 120 Midland, Texas 77905

The undersigned accepts all applicable terms, conditions, stipulations and restrictions covering operations conducted on the leased land or portion thereof, as described below:

Lease No: NMNM16104

Legal Description of Land:

SHL: 2544 FSL and 330 FWL BHL: 330 FSL and 660 FWL, Sec 11, 25S, 28E Eddy County, New Mexico

Formation(s) (if applicable): Delaware

Bond Coverage:

\$25,000 statewide bond of Nearburg Producing Company

BLM Bond File No:

NMB000153

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Drilling Manager

ATTACHMENT TO FORM 3160-3 SALT DRAW 11 FEDERAL #2 SHL: 2544 FSL AND 330 FWL BHL: 330 FSL AND 660 FWL, SEC 11, 25S, 28E EDDY COUNTY, NEW MEXICO

DRILLING PROGRAM

1. GEOLOGIC NAME OF SURFACE FORMATION

Quaternary Alluvium/ Permian Ochoan

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Delaware	2550
Cherry Canyon	3400

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3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL, OR GAS

Cherry Canyon Sand 4900

4. CASING AND CEMENTING PROGRAM

Casing Size	<u>From To</u>	<u>Weight</u>	Grade	<u>Joint</u>	
8-5/8"	0' - 850'	32#	K55	STC STC	NESS
5-1/2"	0' - 6700'	17#	N80	LTC	

Equivalent or adequate grades and weights of casing may be substituted at time casing is run, depending on availability.

We plan to drill a 12-1/4" hole to equal 850'. 8-5/8" casing will be cemented with 800 sxs Class "C" or volume necessary to bring cement back to surface.

7-7/8" hole will be drilled to 6700' and 5-1/2" production casing will be cemented with approximately 1000 sxs of Class "C" cement circulated to surface.

SALT DRAW 11 FEDERAL #2 Page 2

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5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

The BOP stack will consist of a 3,000 psi working pressure, dual ram type preventer and annular.

A BOP sketch is attached.

6. <u>TYPES AND CHARACTERTICS OF THE PROPOSED MUD SYSTEM</u>

Spud and drill to 850' with fresh water mud for surface string. The production section from 850' to 6700' will be 10.0 ppg Brine Water system with mud weight sufficient to control formation pressures.

7. AUXILLARY WELL CONTROL AND MONITORING EQUIPMENT

None required.

8. LOGGING, TESTING, AND CORING PROGRAM

DLL/CNL/LDT/CAL/GR logging is planned. Drill stem tests, cores and sidewall cores are possible.

9. <u>ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES & POTENTIAL</u> <u>HAZARDS</u>

None anticipated.

BHP expected to be 1,100 psi.

10. ANTICAPATED STARTING DATE:

Is planned that operations will commence on November 15, 2005 with drilling and completion operation lasting about 40 days.



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SURFACE USE AND OPERATIONS PLAN FOR

DRILLING, COMPLETION, AND PRODUCING

NEARBURG PRODUCING COMPANY SALT DRAW 11 FEDERAL #2 SHL: 2544 FSL AND 330 FWL BHL: 2310 FSL AND 660 FWL, SEC 11, 25S, 28E EDDY COUNTY, NEW MEXICO

LOCATED

1

13 miles SE of Carlsbad

OIL & GAS LEASE

NMNM16104

RECORD LESSEE

Magnum Hunter Production Inc.

BOND COVERAGE

\$25,000 statewide bond of Nearburg Producing Company

ACRES IN LEASE

1520.06

GRAZING LEASE

Cooksey Ranches, PO Box 91, Orla, TX 79770

POOL

Willow Lake, SW: Delaware

EXHIBITS

- A. Area Road Map
- B. Drilling Rig Layout
- C. Vicinity Oil & Gas Map
- D. Topographic & Location Verification Map
- E. Well Location & Acreage Dedication Map

This well will be drilled to a depth of approximately 6700'.

SALT DRAW 11 FEDERAL #2 Page 2

1. EXISTING ROADS

- A. Exhibit A is a portion of a section map showing the location of the proposed well as staked.
- B. Exhibit C is a plat showing existing roads in the vicinity of the proposed well site.

2. ACCESS ROADS

A. Length and Width

The access road will be built and is shown on Exhibit D.

B. Surface Material

Existing.

C. Maximum Grade

Less than five percent

D. Turnouts

None necessary.

E. Drainage Design

Existing.

F. Culverts

None necessary.

G. Gates and Cattle Guards

None needed.

3. LOCATION OF EXISTING WELLS

Existing wells in the immediate area are shown in Exhibit C.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Necessary production facilities for this well will be located on the well pad.



CHOKE MANIFOLD 5M SERVICE



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EXHIBIT B DRILLING RIG LAYOUT NEARBURG PRODUCING COMPANY

SCALE 1" = 50'

HYDROGEN SULFIDE DRILLING OPERATIONS PLANS NEARBURG PRODUCING COMPANY SALT DRAW 11 FEDERAL #2

1. HYDROGEN SULFIDE TRAINING

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- A. All regularly assigned personnel, contracted or employed by Nearburg Producing Company, will receive training from a qualified instructor in the following areas prior to commencing drilling potential hydrogen sulfide bearing formations in this well:
 - 1. The hazards and characteristics of hydrogen sulfide (H2S).
 - 2. The proper use and maintenance of personal protective equipment and life support systems.
 - 3. The proper use of H2S detectors, alarms, warning systems, briefing areas, evacuation procedures and prevailing winds.
 - 4. The proper techniques for first aid and rescue procedures.
- B. In addition, supervisory personnel will be trained in the following areas:
 - 1. The effects of H2S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
 - 2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
 - 3. The contents and requirements of the H2S Drilling Operations Plan.
- C. There will be an initial training session just prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

HYDROGEN SULFIDE DRILLING OPERATIONS PLANS PAGE 2

2. H2S SAFETY EQUIPMENT AND SYSTEMS

- Note: All H2S safety equipment and systems will be installed, tested and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H2S.
 - A. Well Control Equipment:

n 1

- 1. Flare line with continuous pilot.
- 2. Choke manifold with a minimum of one remote choke.
- 3. Blind rams and pipe rams to accommodate all sizes with properly sized closing unit.
- 4. Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head and flare gun with flares as needed.
- B. Protective Equipment for Essential Personnel:
- Mark II Surviveair 30-minute units located in the dog house and at briefing areas, as indicated on well site diagram.
- C. H2S Detection and Monitoring Equipment:
 - 1. Two portable H2S monitors positioned and location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.
 - 2. One portable SO2 monitor positioned near flare line.
- D. Visual Warning systems:

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- 1. Wind direction indicators as shown on well site diagram.
- 2. Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used when appropriate. See example attached.

HYDROGEN SULFIDE DRILLING OPERATIONS PLANS PAGE 3

- E. Mud Program
 - 1. The Mud Program has been designed to minimize the volume of H2S circulated to the surface. Proper mud weights, safe drilling practices and the use of H2S scavengers will minimize hazards when penetrating H2S bearing zones.
 - 2. A mud-gas separator will be utilized as needed.
- F. Metallurgy
- All drill strings, casing, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and line and valves shall be suitable for H2S service.
- G. Communication
 - 1. Cellular telephone communications in company vehicles and mud logging trailer.
 - 2. Land line (telephone) communications at area office.
- H. Well Testing

Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safely and adequately conduct the test. The drill stem testing in an H2S environment will be conducted during the daylight hours.

SPECIAL DRILLING STIPULATIONS

THE FOLLOWING DATA IS REQUIRED ON THE WELL SIGN

Operator's Name <u>Nearburg Producing Company</u> Well Name & No. <u>2-Salt Draw 11 Federal</u> Location <u>2544' F S L & <u>330' FW</u> L Sec. <u>11</u>, T. <u>25 S, R 28 E</u>. SHL Lease No. <u>NM-13413 BHL</u> County <u>Eddy</u> State <u>New Mexico</u> Location <u>330' FSL & 660' FWL Sec.11, T.25S., R.28E. BHL</u> The Special stipulations check marked below are applicable to the above described well and approval of this application to drill is conditioned upon compliance with such stipulations in addition to the General Requirements. The permittee should be familiar with the General Requirements, a copy of which is available from a Bureau of Land Management office. EACH PERMITTEE HAS THE RIGHT</u>

This permit is valid for a period of one year from the date of approval or until lease expiration or termination whichever is shorter.

OF ADMINISTRATIVE APPEAL TO THESE STIPULATIONS PURSUANT TO TITLE 43 CRF 3165.3 AND 3165.4.

1. SPECIAL ENVIRONMENT REQUIREMENTS

() Lesser Prairie Chicken (stips attached)	() Flood plain (stips attached)	· · · · · · · · · · · · · · · · · · ·	and adver
() San Simon Swale (stips attached)	() Flood plain (stips attached) () Other See attach ed S	Stipulations tor!	trenaeo

II. ON LEASE - SURFACE REQUIREMENTS PRIOR TO DRILLING

(A The BLM will monitor construction of this drill site. Notify the (Carlsbad Field Office at (505) 234-5972 () Hobbs Office (505) 393-3612, at least 3 working days prior to commencing construction.

(\mathcal{T} Roads and the drill pad for this well must be surfaced with $\underline{\mathcal{L}}$ inches of compacted caliche upon completion of well and it is determined to be a producer.

() All topsoil and vegetation encountered during the construction of the drill site area will be stockpiled and made available for resurfacing of the disturbed area after completion of the drilling operation. Topsoil on the subject location is approximately ______inches in depth. Approximately ______cubic yards of topsoil material will be stockpiled for reclamation.

() Other.

III. WELL COMPLETION REQUIREMENTS

() A Communilitization Agreement covering the acreage dedicated to the well must be filed for approval with the BLM. The effective date of the agreement must be prior to any sales.

(x) Surface Restoration: If the well is a producer, the reserve pit(s) will be backfilled when dry, and cut-and-fill slopes will be reduced to a slope of 3:1 or less. All areas of the pad not necessary for production must be re-contoured to resemble the original contours of the surrounding terrain, and topsoil must be re-distributed and re-seeded with a drill equipped with a depth indicator (set at depth of $\frac{1}{2}$ inch) with the following seed mixture, in pounds of Pure Live Seed (PLS), per acre.

() A. Seed Mixture 1 (Loamy Sites)	() B. Seed Mixture 2 (Sandy Sites)
	Side Oats Grama (Bouteloua curtipendula) 5.0	Sand Dropseed (Sporobolus crptandrus) 1.0
	Sand Dropseed (Sporobolus cryptandrus) 1.0	Sand Lovegrass (Eragostis trichodes) 1.0
		Plains Bristlegrass (Setaria magrostachya) 2.0
() C. Seed Mixture 3 (Shallow Sites)	(U.D. Seed Mixture 4 (Gypsum Sites)
	Side oats Grama (Boute curtipendula) 1.0	Alkali Sacaton (Sporobollud airoides) 1.0
		Four-Wing Saltbush (Atriplex canescens) 5.0

() OTHER SEE ATTACHED SEED MIXTURE

Seeding should be done either late in the fall (September 15 - November 15, before freeze up, or early as possible the following spring to take advantage of available ground moisture.

() Other.

RESERVE PIT CONSTRUCTION STANDARDS

The reserve pit shall be constructed entirely in cut material and lined with 6 mil plastic. Mineral material extracted from within the boundary of the APD during construction of the well pad and reserve pits and be used for the construction of this well pad and its immediate access road only, as long as that portion of the access road it is use on remains on-lease. Removal of any additional material from this location for construction or improvement of other well pads and other access or lease roads must first be purchased from BLM.

<u>Reclamation</u>: Reclamation of this type of deep pit will consist of pushing the pit walls into the pit when sufficiently dry to support track equipment. The pit liner is NOT TO BE RUPTURED to facilitate drying; a ten month period after completion of the well is allowed for drying of the pit contents.

The pit area must be contoured to the natural terrain with all contaminated drilling mud buried with at least 3 feet of clean soil. The reclaimed area will then be seeded as specified in this permit.

OPTIONAL PIT CONSTRUCTION STANDARDS

The reserve pit may be constructed in predominantly fill material if:

(1) Lined as specified above and

(2) A temporary or emergency pit may be constructed immediately adjacent to the reserve pit as long as the pit remains within the APD boundary. Mineral material removed from this pit may be used for the construction of this well pad only and its immediate access road, as long as that portion of the access road the material is used on remains on-lease. Removal of any material from the APD boundary for use on other well locations or roads must first be purchased from BLM.

Reclamation of the reserve pit consists of bulldozing all reserve pit contents and contaminants into the borrow pit and covering with a minimum of 3 feet of clean soil material. The entire area must be recontoured, all trash removed, and reseeded as specified in this permit.

CULTURAL

Whether or not an archaeological survey has been completed and notwithstanding that operations are being conducted as approved, the lessee/operator/grantee shall notify the BLM immediately if previously unidentified cultural resources are observed during surface disturbing operations. From the time of the observation, the lessee/operator/grantee shall avoid operations that will result in disturbance to these cultural resources until directed to processed by BLM.

TRASH PIT STIPS

All trash, junk, and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

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CONDITIONS OF APPROVAL - DRILLING

Operator's Name:	Nearburg Producing Company
Well Name & No.	Salt Draw 11 Federal #2
SH Location:	2544' FSL, 330' FWL, Section 11, T. 25 S., R. 28 E., Eddy County, New Mexico
BH Location;	330' FSL, 660' FWL, Section 11, T. 25 S., R. 28 E., Eddy County, New Mexico
Lease:	NM 13413 (BHL)

I. DRILLING OPERATIONS REQUIREMENTS:

1. The Bureau of Land Management (BLM) is to be notified at the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822 for wells in Eddy County in sufficient time for a representative to witness:

A. Well spud

N 1 · 2

- B. Cementing casing: 8-5/8 inch 5-1/2 inch
- C. BOP tests

2. A Hydrogen Sulfide (H2S) Drilling Operation Contingency Plan shall be activated prior to drilling into the **Delaware** formation. A copy of the plan shall be posted at the drilling site.

3. 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.

4. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15-day time frame.

5. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.

6. A Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the BLM. The effective date of the agreement shall be prior to any sales.

II. CASING:

1. The <u>8-5/8</u> inch surface casing shall be set at <u>approximately 850 feet</u> and cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.

2. The minimum required fill of cement behind the <u>5-1/2</u> inch production casing is to reach at least 500 feet above the top of the uppermost hydrocarbon productive interval.

TO SURFACE

III. PRESSURE CONTROL:

1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the <u>8-5/8</u> inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.

2. Minimum working pressure of the blowout preventer and related equipment (BOPE) shall be 3000 psi.

3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the tests.

 $\mathbf{x} \rightarrow \mathbf{v}$ The tests shall be done by an independent service company.

- The results of the test shall be reported to the appropriate BLM office.
- Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures. Use of drilling mud for testing is not permitted since it can mask small leaks.
- Testing must be done in a safe workman-like manner. Hard line connections shall be required.

10/31/05 acs

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ININTREPID

Proposal

Report Date:	October 21, 2005	Survey / DLS Computation Method:	Minimum Curvatue / Lubinski
Client:	Nearburg Producing Company	Vertical Section Azimuth:	171.290°
Field:	Eddy County, NM	Vertical Section Origin:	N 0.000 ft, E 0.000 ft
Structure / Slot:	Salt Draw 11 Fed #2 / Salt Draw 11 Fed #2	TVD Reference Datum:	RKB
Well:	Salt Draw 11 Fed #2	TVD Reference Elevation:	0.0 ft relative to
Borehole:	Salt Draw 11 Fed #2	Sea Bed / Ground Level Elevation:	0.000 ft relative to
UWI/API#:		Magnetic Declination:	8.463°
Survey Name / Date:	Sait Draw 11 Fed #2_r1 / October 21, 2005	Total Field Strength:	49115.313 nT
Tort / AHD / DDI / ERD ratio:	90.000° / 2235.78 ft / 5.454 / 0.461	Magnetic Dip:	60.162°
Grid Coordinate System:	NAD27 New Mexico State Planes, Eastern Zone, US Feet	Declination Date:	October 21, 2005
Location Lat/Long:	N 32 8 39.234, W 104 3 53.850	Magnetic Declination Model:	IGRF 2005
Location Grid N/E Y/X:	N 416296.700 ftUS, E 583064.500 ftUS	North Reference:	Grid North
Grid Convergence Angle:	+0.14279038°	Total Corr Mag North -> Grid North:	+8.320°
Grid Scale Factor:	0.99991699	Local Coordinates Referenced To:	Well Head

Comments	Measured Depth	Inclination	Azimuth	TVD	Vertical Section	NS	EW	Closure	Closure Azimuth	DLS	Tool Face
	(ft)	(deg)	(deg)	(ħ)	(ft)	(ft)	(ft)	(ft)	(deg)	(deg/100 ft)	(deg)
Tie-in	0.00	0.00	171.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	171.29M
KOP	4329.13	0.00	171.29	4329.13	0.00	0.00	0.00	0.00	0.00	0.00	171.29M
	4400.00	7.80	171.29	4399.78	4.81	-4.76	0.73	4.81	171.29	11.00	0.00G
	4500.00	18.80	171.29	4496.95	27.78	-27.46	4.21	27.78	171.29	11.00	0.00G
	4600.00	29.80	171.29	4587.96	68.86	-68.06	10.43	68.86	171.29	11.00	0.00G
	4700.00	40.80	171.29	4669.45	126.55	-125.09	19.17	126.55	171.29	11.00	0.00G
	4800.00	51.80	171.29	4738.44	198.73	-196.44	30.10	198.73	171.29	11.00	0.00G
	4900.00	62.80	171.29	4792.38	282.75	-279.49	42.82	282.75	171.29	11.00	0.00G
Marker	4917.22	64.69	171.29	4800.00	2 98 .19	-294.75	45.16	298.19	171.29	11.00	171.29G
	5000.00	73.80	171.29	4829.31	375.52	-371.18	56.88	375.52	171.29	11.00	0.00G
	5100.00	84.80	171.29	4847.85	473.62	-468.16	71.73	473.62	171.29	11.00	0.00G
EOC	5147.31	90.00	171.29	4850.00	520.87	-514.86	78.89	520.87	171.29	11.00	0.00G
PBHL	6862.22	90.00	171.29	4850.00	2235.78	-2209.99	338.63	2235.78	171.29	0.00	0.00G

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